CASTINGS

THE J. L. MOTT IRON WORKS

CASTINGS

MANHOLE FRAMES AND COVERS
CURB GRATINGS
GUTTERS AND CESSPOOLS
WALK BOXES
SEWER PIPE FRAMES AND GRATINGS
FRAMES AND DOORS
TRAFFIC STANDARDS
CAST IRON LEADER SHOES
ETC., ETC.

The J. L. MOTT IRON WORKS
FIFTH AVENUE AND 17TH STREET, NEW YORK

General Offices and Plant
TRENTON, N. J.

PREFACE

THE constantly increasing demand for castings of various kinds of Manhole Frames and Covers, Leader Shoes, Cesspools and Gutters, etc., has prompted us to issue this catalogue under the simple title "Castings".

We believe it will be a convenience to builders and those interested in road construction and drainage generally.

Our endeavor has been to show as complete a line of castings as possible in one book, to meet practically every requirement.

If, however, castings are required to meet special conditions, we are always ready to make any changes in our patterns that may be necessary. All inquiries will have our careful attention and prices quoted promptly.

A separate price list of the castings shown is included with this catalogue or will be sent upon request.

The J. L. Mott Iron Works

Manhole Frames and Covers

Extra Heavy

Plate 1-C

Frame over flange, 3 ft. $3\frac{1}{2}$ in. × 3 ft. $3\frac{1}{2}$ in.; Frame on top, 2 ft. $7\frac{1}{2}$ in.; depth, $9\frac{1}{4}$ in.

Wrought Iron Bars set in Frame lend additional support to Cover

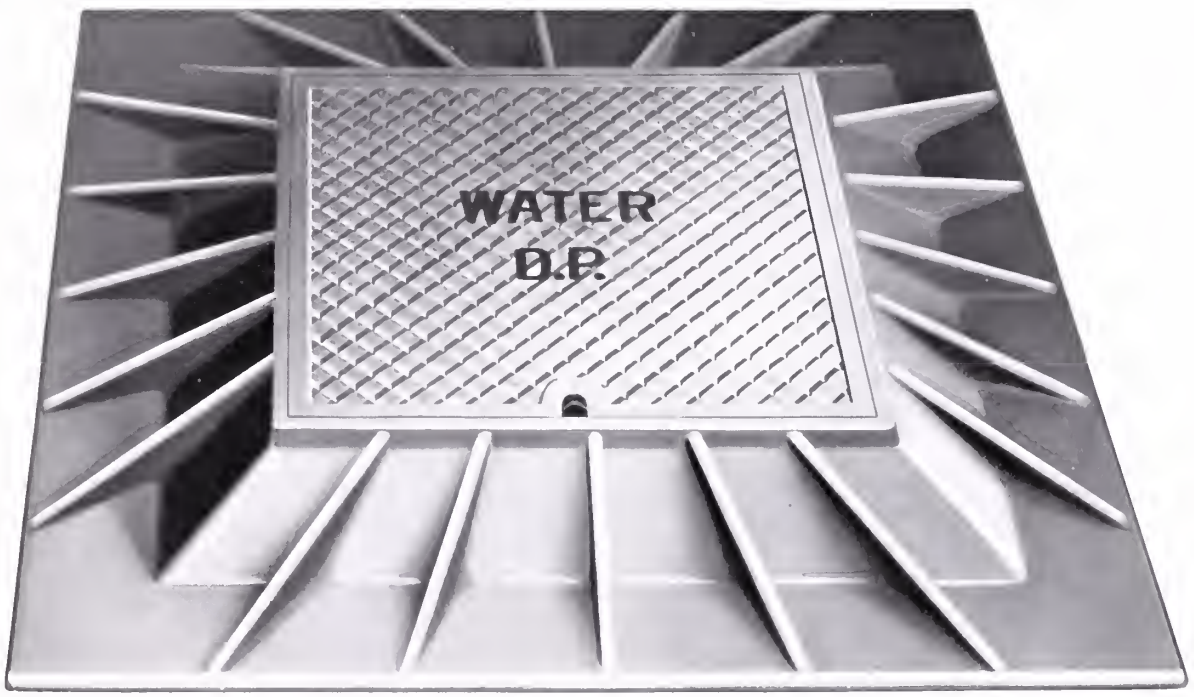


Plate 2-C

Frame, at bottom, 5 ft. 10 in. × 5 ft. 10 in.; Cover 3 ft. × 3 ft.; Depth of Frame, $7\frac{3}{4}$ in.

Manhole Frames and Covers

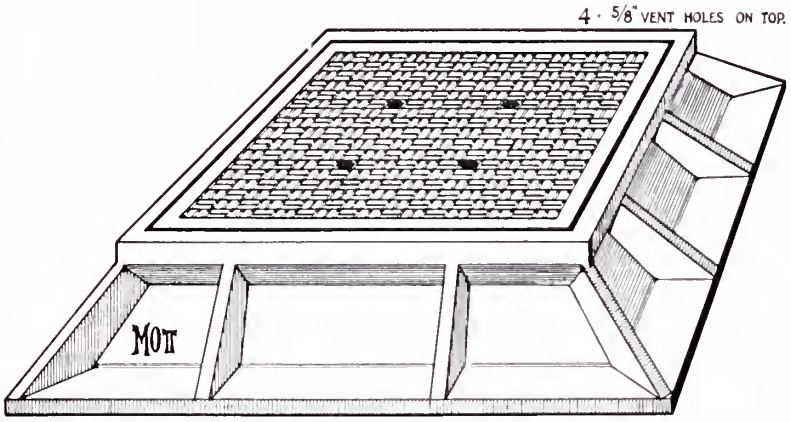


Plate 3-C

Plate 3-C

DIMENSIONS

Top, 2 ft. 10 in. square
Base, 4 ft. 2 in. square
Cover, 2 ft. 7 in. square
Depth, 10 in.

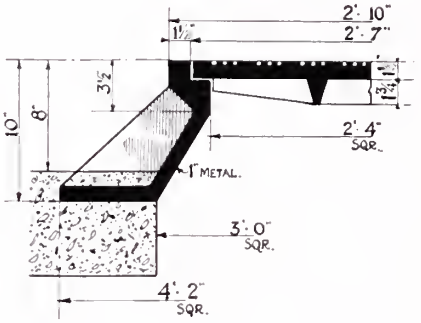


Plate 4-C

DIMENSIONS

Top, 2 ft. 4 in. square
Base, 3 ft. 2 in. square
Cover, 2 ft. 2 in. square
Depth, 8½ in.

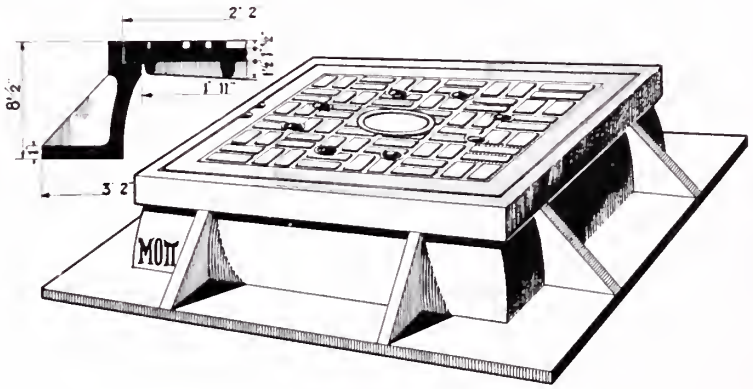


Plate 4-C

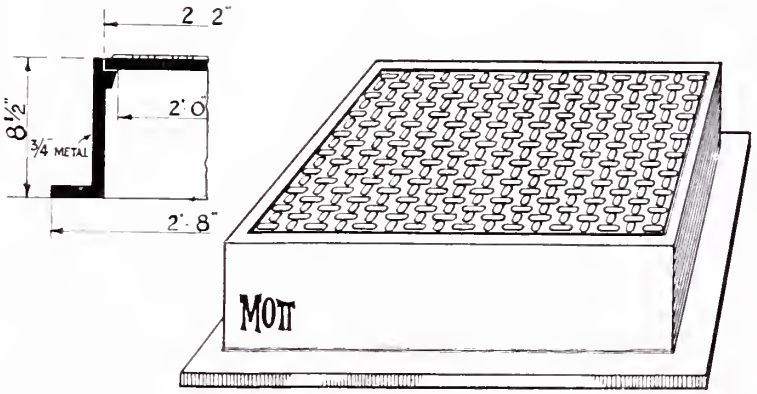


Plate 5-C

Plate 5-C

DIMENSIONS

Top, 2 ft. 3½ in. square
Base, 2 ft. 8 in. square
Cover, 2 ft. 2 in. square
Depth, 8½ in.

Manhole Frames and Covers

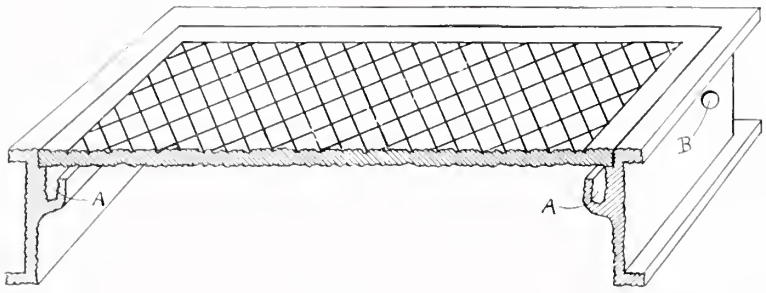


Plate 6-C

Plate 6-C

SQUARE FRAME AND COVER

A indicates groove all around frame, for guiding water which may enter from the surface of Cover.
B is a pipe which leads water off.

Top and Bottom, 40 × 40 in.
Cover, 36 × 36 in.
Depth of Frame, 8 in.

For use in concrete construction over spaces which must be kept dry.

Plate 7-C

RECTANGULAR FRAME AND COVER

DIMENSIONS ON TOP
No. 1—18½ × 24½ in.
No. 2—24½ × 48½ in.

SIZE OF BASE	DEPTH
No. 1—36 × 36 in.	10 in.
No. 2—36 × 60 in.	10 in.
No. 1 Cover only, 18½ × 24½ in.	
No. 2 Cover only, 24½ × 48½ in.	

Plate 7-C

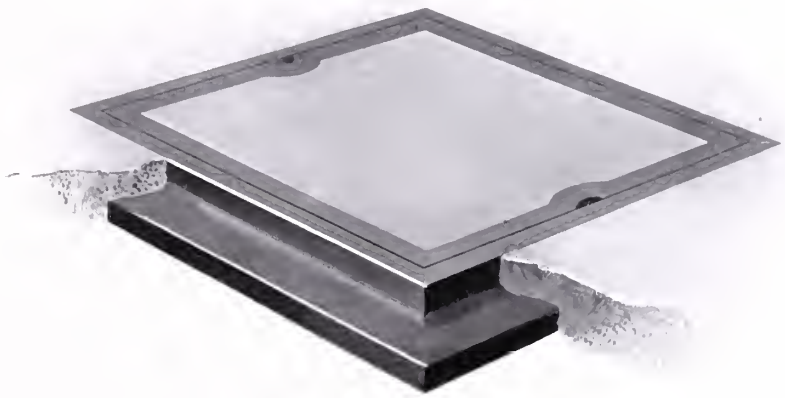


Plate 8-C

To be filled with Asphalt or Cement
Flange in Center

Plate 8-C

Frame over center flange
1 ft. 11 in. × 1 ft. 11 in.
Top, 1 ft. 6 in. × 1 ft. 6 in.
Cover, 1 ft. 4½ in. × 1 ft. 4½ in.
Depth, 2¾ in.

Plate 8½-C

Section of Plate 8-C

Manhole Frames and Covers

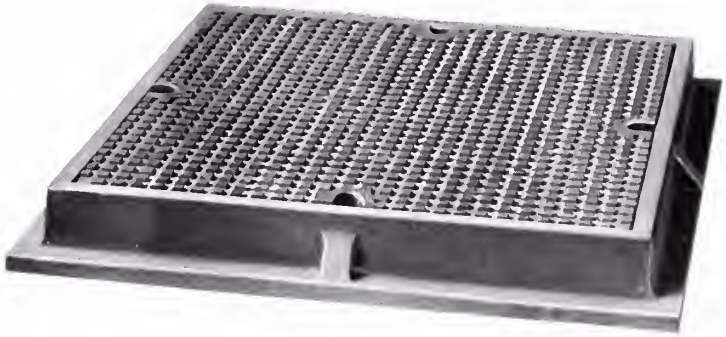


Plate 9-C

Plate 9-C

DIMENSIONS

Top, 1 ft. 11½ in.
Base, 2 ft. 2 in.
Cover, 1 ft. 9½ in.
Depth, 3 in.

Plate 10-C

For Concrete
Flange at Bottom

	TOP		DEPTH	COVER	
No. 1—	12	×12 in.	3 in.	10½	×10½ in.
No. 2—	12	×18 in.	3 in.	11¼	×17⅜ in.
No. 3—	18	×18 in.	3 in.	16⅝	×16⅝ in.
No. 4—	22	×22 in.	3 in.	21	×21 in.
No. 5—	24½	×24½ in.	3 in.	23½	×23½ in.
No. 6—	26	×26 in.	3 in.	25	×25 in.
No. 7—	37	×37 in.	3 in.	36	×36 in.
No. 8—	42	×42 in.	4 in.	41	×41 in.

2 in. flange all around

Plate 10-C

NOTE—Sizes Nos. 1 and 2 are furnished without handles

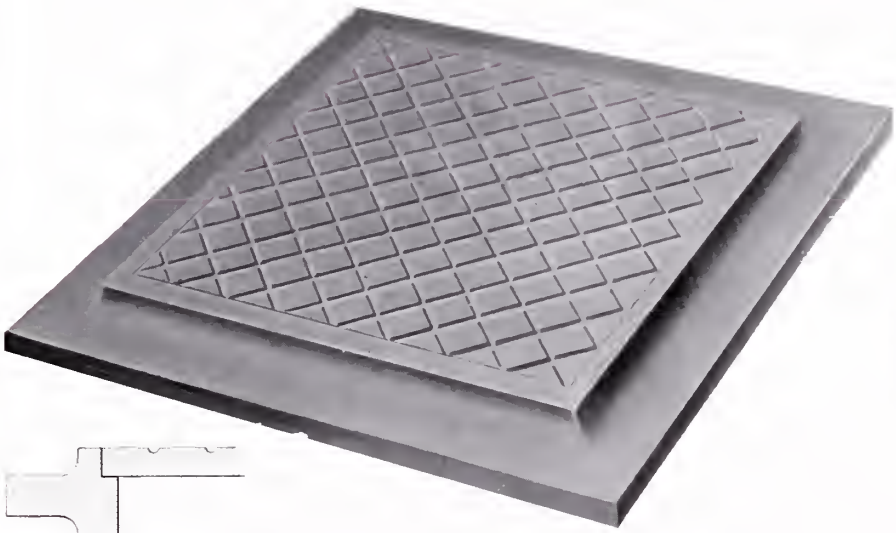


Plate 11½-C

Plate 11-C

Plate 11-C

For Concrete
Flange in Center

	FRAME	DEPTH	COVER	
No. 1—	12×12 in.	3 in.	10½	×10½ in.
No. 2—	12×18 in.	3 in.	10½	×16⅝ in.
No. 3—	18×18 in.	3 in.	16⅝	×16⅝ in.
No. 4—	26×26 in.	3 in.	25	×25 in.
No. 5—	32×26 in.	3 in.	31	×25 in.

2½ in. flange all around

NOTE—Sizes 4 and 5 are furnished with handles

Manhole Frames and Covers

Plate 12-C

	FRAME	DEPTH	COVER
No. 1—	12 × 12 in.	3 in.	$10\frac{1}{2}$ × $10\frac{1}{2}$ in.
No. 2—	18 × 18 in.	3 in.	$16\frac{5}{8}$ × $16\frac{5}{8}$ in.
No. 3—	26 × 26 in.	3 in.	25 × 25 in.
No. 4—	32 × 26 in.	3 in.	31 × 25 in.
No. 5—	16 × 16 in.	4 in.	$14\frac{3}{4}$ × $14\frac{3}{4}$ in.

Nos. 1 and 2 are furnished without handles.

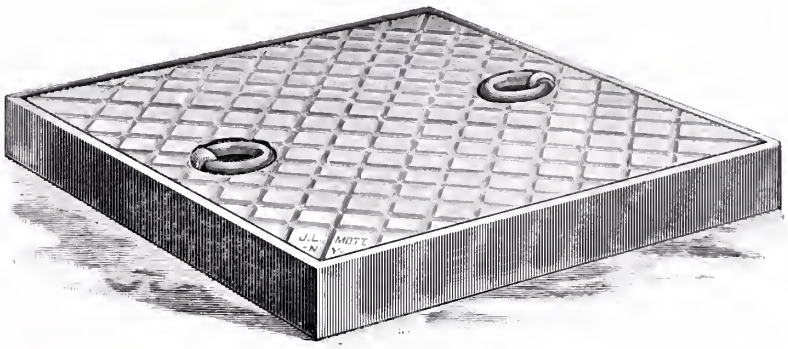


Plate 12-C

Plate 13-C

Plate 13-C

	FRAME	OPENING	COVER
No. 1—	24 in. sq.	20 in. sq.	21 in. sq.
No. 2—	28 in. sq.	23 in. sq.	24 in. sq.
No. 3—	35 in. sq.	29 in. sq.	30 in. sq.
No. 4—	29 × 53 in.	23 × 47 in.	24 × 48 in.

Plate 14-C

With two flush drop handles
and locking device
Frame, 30 in. square
Cover, 24 in. square

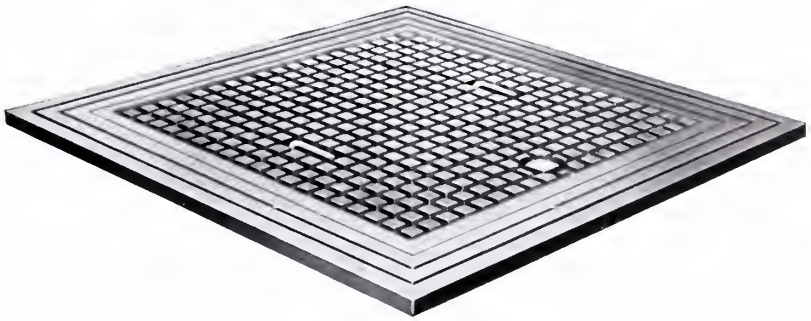


Plate 14-C

Manhole Frames and Covers

Plate 15-C

Plate 15-C

No. 1

Frame over flange, 2 ft. 10½ in. × 2 ft. 10½ in.

Cover, 2 ft. 5 in. × 2 ft. 5 in.; depth, 4 in.

No. 2

Frame over flange, 3 ft. 4½ in. × 3 ft. 4½ in.

Cover, 2 ft. 10¾ in. × 2 ft. 10¾ in.; depth, 4 in.

Plate 16-C

DIMENSIONS

Top 2 ft. 11 in.
Base 3 ft. 6 in.
Cover 2 ft. 8⅜ in.
Depth 9 in.

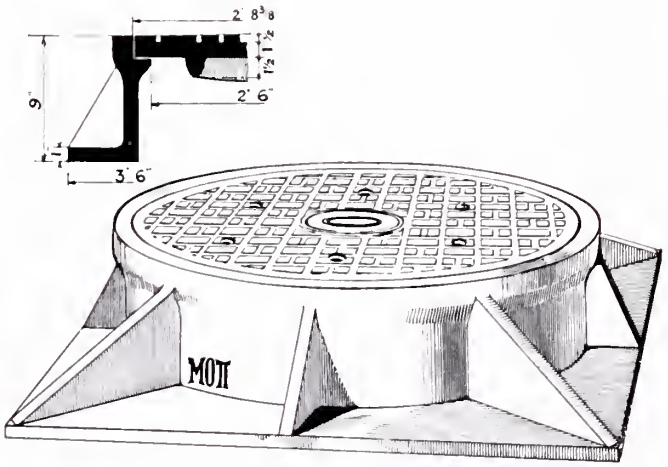


Plate 16-C

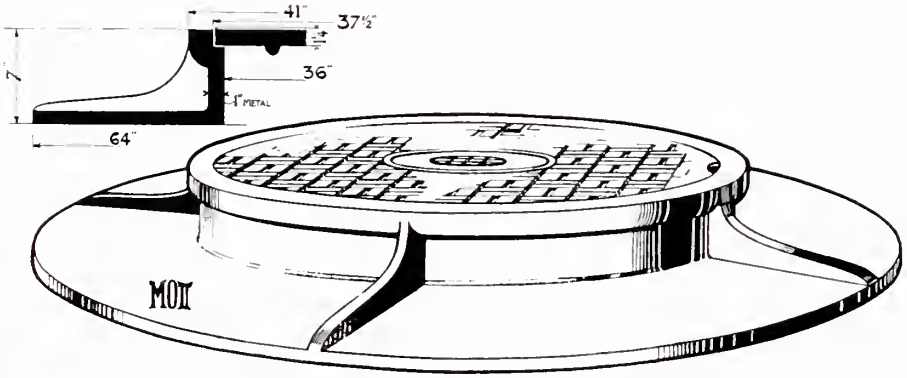


Plate 17-C

Plate 17-C

DIMENSIONS

Diameter, Top 41 in.
Diameter, Bottom, 64 in.
Diameter, Cover, 37½ in.
Height, 7 in.

Manhole Frames and Covers

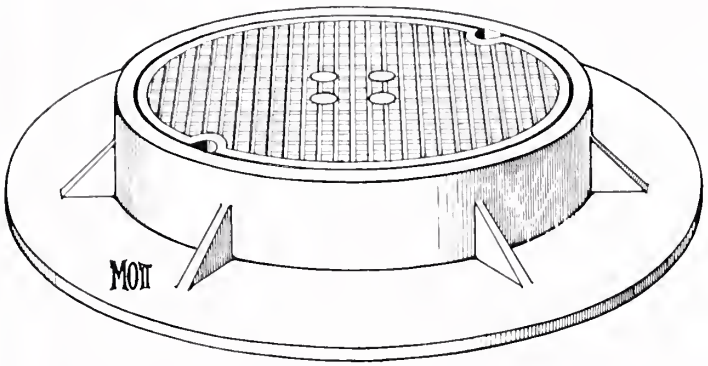


Plate 18-C

Plate 18-C

Diameter of top, 25½ in.
Diameter of Bottom, 38 in.
Diameter of Cover, 24 in.
Depth, 8 in.

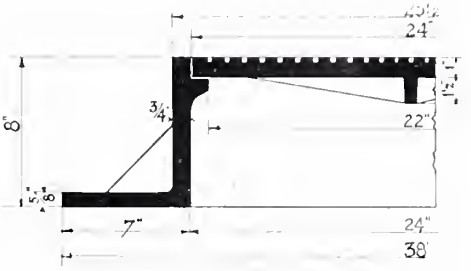


Plate 19-C

No. 1—Frame over flange at bottom, 2 feet 10½ in; Cover, 2 ft. 5 in.; depth, 4 in.

No. 2—Frame over flange at bottom, 4 feet 1 in.; Cover, 3 feet 4 in.; depth, 4 in.

Plate 19-C

Plate 20-C

Plate 20-C

MEDIUM WEIGHT MANHOLE FRAME AND COVER

No. 1 Size:
Diameter across top, 26 in.
Diameter of base, 33 in.
Diameter of cover, 24 in.
Depth, 7 in.

No. 2 Size:
Diameter across top, 32 in.
Diameter of base, 38 in.
Diameter of cover, 30 in.
Depth, 7 in.

Also made with extra heavy covers for traffic.

Manhole Frames and Covers

Plate 21-C

Plate 21-C

Diameter of cover, 24 in.
Diameter of top, 26½ in.
Diameter of base, 34 in.
Flange on base, 4½ in. wide
Height, 8 in.
Also made in heavy type
Cover solid or perforated

Plate 22-C

No. 1—Diameter, top 24 in.
Diameter of base, 36 in.
Depth, 10 in.
No. 2—Diameter on top 34 in.
Diameter of base, 46 in.
Depth, 12½ in.

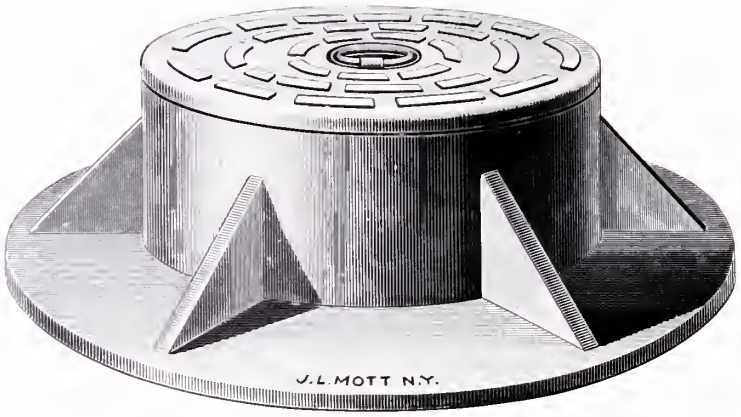


Plate 22-C

Plate 23-C

Plate 23-C

This style of manhole is extensively used on asphalt, wood block and bitulithic pavements.
Diameter of flange, 40 in.
Diameter of cover, 24 in.
Height, 12 in.
We have a number of patterns of this style varying in sizes, and also furnish Noiseless Covers to fit any design of head.

Manhole Frames and Covers

Plate 24-C

Frame, 2 ft. diameter; cover, 1 ft. 8 in. diameter.

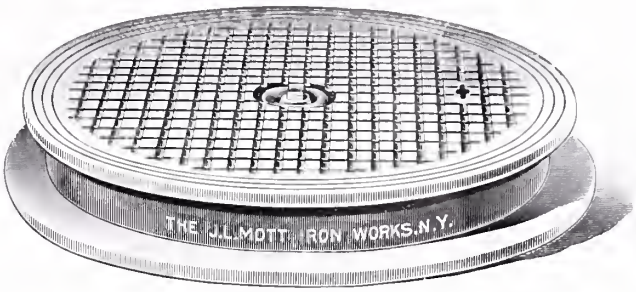


Plate 25-C

Frame over flange, 30½ in.; frame on top, 28½ in.; opening, 24 in.; depth, 4¼ in.
With locking device.

Plate 26-C

Plate 26-C

LAMPHOLE FRAME AND COVER

No. 1—Top 9 in.; base 15 in.; depth 6½ in.
No. 2—Top 11½ in.; base 16½ in.; depth 7 in.
No. 3—Top 15 in.; base 20½ in.; depth 8¼ in.
No. 4—Top 20 in.; base 26½ in.; depth 12¼ in.

Plate 27-C

With Locking Devise and Detachable Key
Frame over flange at top, 2 ft. 9 in.; cover, 2 ft. 1½ in. diameter; extreme depth of frame, 9½ in.
If furnished without spigot shown below middle flange, depth to lower flange, 6 in.

Plate 28-C

HEAVY MANHOLE FRAME AND COVER

Top, 32 in.
Base, 27¼ in.
Cover, 25¼ in.
Depth, 4¾ in.

Frames and Covers

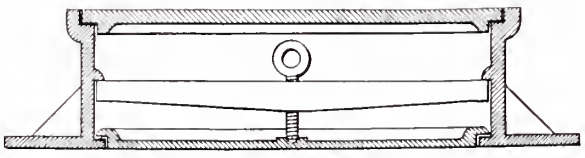


Plate 29-C

	NO. 1	NO. 2
Top,	26 in.	36 in.
Base,	36 in.	46 in.
Depth,	10 in.	12½ in.

Gaskets furnished by others

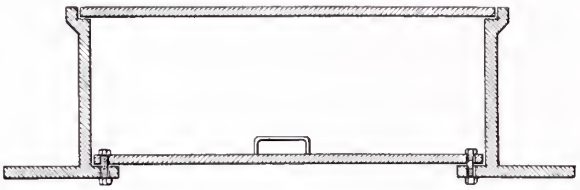
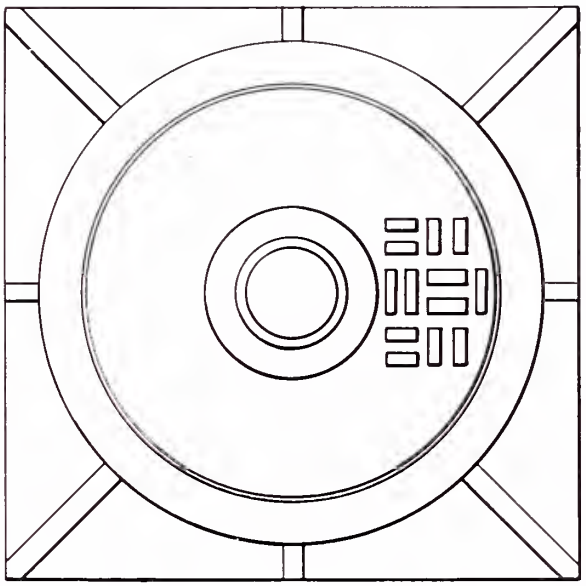


Plate 30-C

Top,	26½ in.
Base,	33 in.
Depth,	10¼ in.
Opening,	20 in.

Gaskets furnished by others



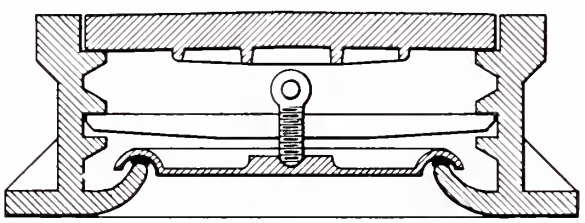
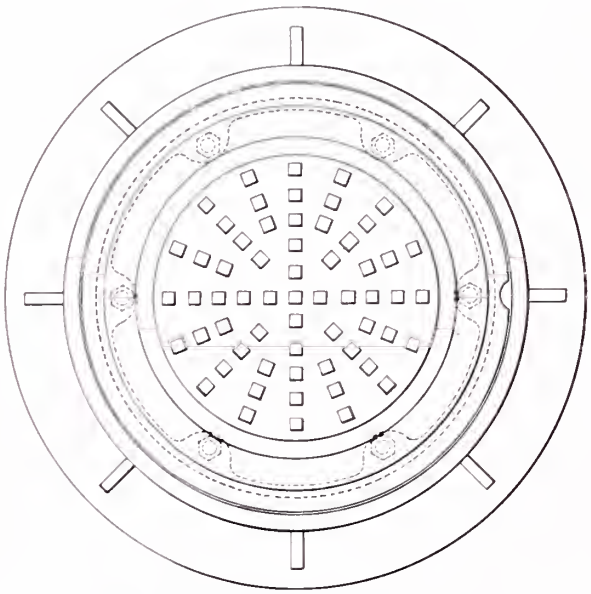


Plate 31-C

	NO. 1	NO. 2	NO. 3	SMALL.
Cover	37⅜ in.	31⅜ in.	33¼ in.	29 in. sq.
Depth	13 in.	13 in.	11¾ in.	11½ in.
Opening	31 in.	25 in.	26 in.	23¾ in. sq.
Base	64½ in. sq.	52½ in. sq.	44 in. rd.	42 in. sq.

Gaskets furnished by others



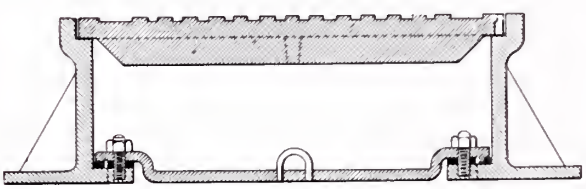


Plate 32-C

Top,	28 in.
Base,	35 in.
Cover,	25¾ in.
Depth,	10 in.

Gaskets furnished by others

Frames and Covers

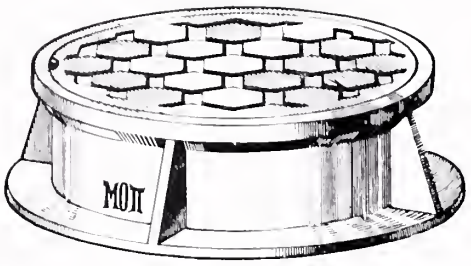
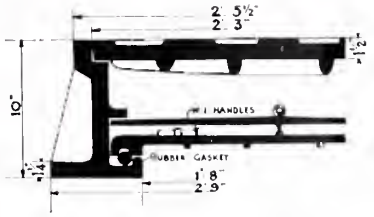


Plate 33-C

Plate 33-C



Top, 2 ft. 5½ in.
Base, 2 ft. 9 in.
Cover, 2 ft. 3 in.
Depth, 10 in.

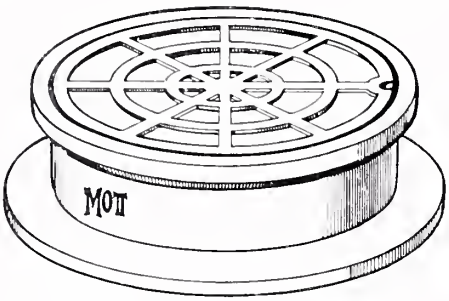
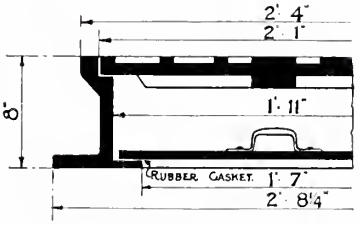


Plate 34-C

Plate 34-C



Top, 2 ft. 4 in.
Base, 2 ft. 8¼ in.
Cover, 2 ft. 1 in.
Depth, 8 in.

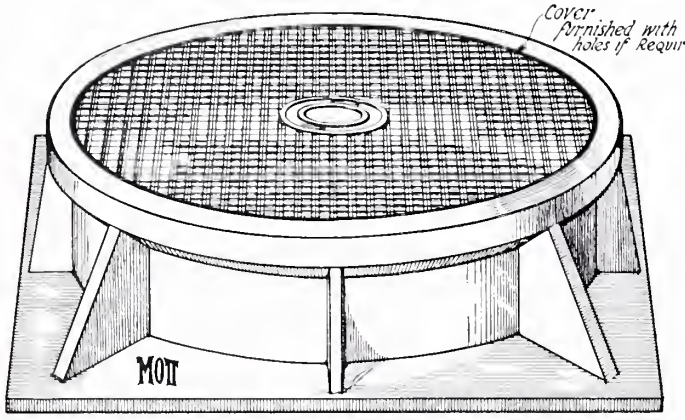
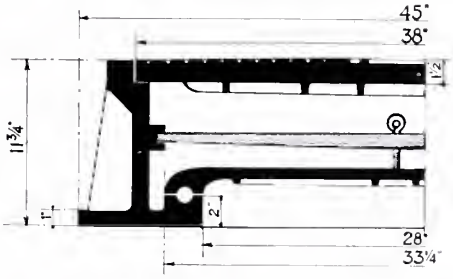


Plate 35-C

Plate 35-C



Top, 3 ft. 4 in.
Base, 3 ft. 9 in.
Cover, 3 ft. 2 in.
Depth, 11¾ in.

FRAME WITH DOUBLE COVER FOR VATS

Plate 36-C

Plate 36-C

Frame, 2 ft. 10½ in.; cover, 2 ft. 9 in.; depth, 3½ in.

The frame is of cast iron with covers of sheet steel.

Frames and Covers

Plate 37-C

Plate 37-C

MANHOLE COLLAR WITH SOLID COVER

Opening	Depth	Flange Down Diameter on Bottom	Cover
20 in. (light)	4 in.	26½ in.	20½ in. diam.
20 in. (deep)	6½ in.	28¾ in.	20½ in. diam.
20 in. (heavy)	4¾ in.	27 in.	20½ in. diam.
24 in. (light)	6 in.	31½ in.	24¼ in. diam.
24 in. (heavy)	6 in.	31½ in.	24¼ in. diam.

Plate 38-C

MANHOLE COLLAR WITH PERFORATED COVER

Opening	Depth	Flange Down Diameter of Bottom	Grate
20 in. (light)	4 in.	26½ in.	20½ in. diam.
20 in. (deep)	6½ in.	28¾ in.	20½ in. diam.
20 in. (heavy)	4¾ in.	27 in.	20½ in. diam.
24 in. (light)	6 in.	31½ in.	24¼ in. diam.
24 in. (heavy)	6 in.	31½ in.	24¼ in. diam.

Plate 38-C

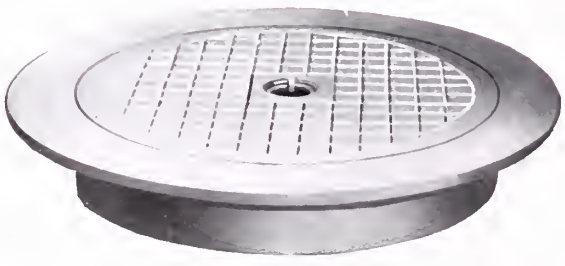


Plate 39-C

Plate 39-C

MANHOLE COLLAR WITH SOLID COVER

Opening	Depth	Flange Up Diameter at Bottom	Cover
20 in. (light)	4 in.	26½ in.	20½ in. diam.
20 in. (deep)	6½ in.	28¾ in.	20½ in. diam.
20 in. (heavy)	4¾ in.	27 in.	20½ in. diam.
24 in. (light)	6 in.	31½ in.	24¼ in. diam.
24 in. (heavy)	6 in.	31½ in.	24¼ in. diam.

Frames and Covers

Plate 40-C

Top, 2 ft. $7\frac{3}{16}$ in.
Base, 2 ft. 1 in.
Cover, 2 ft.
Depth, $3\frac{7}{16}$ in.

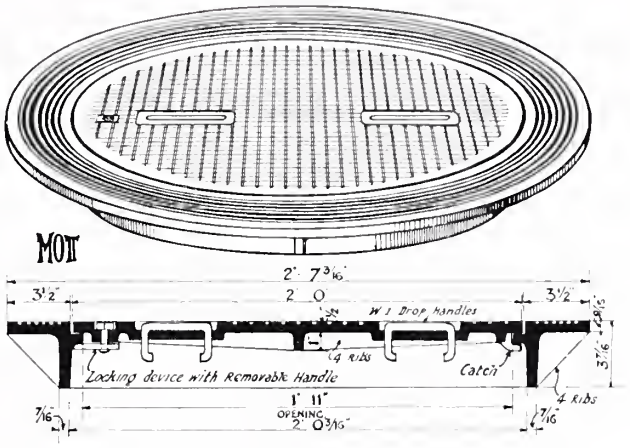


Plate 40-C

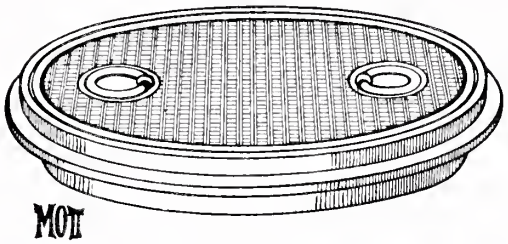


Plate 41-C

Plate 41-C

Top, 1 ft. $8\frac{1}{2}$ in.
Opening, 1 ft. 6 in.
Cover, 1 ft. $7\frac{1}{2}$ in.
Depth, 3 in.

Plate 42-C

Top, 1 ft. $7\frac{5}{8}$ in.
Base, 1 ft. $11\frac{5}{8}$ in.
Cover, 1 ft. 6 in.
Depth, $2\frac{5}{8}$ in.

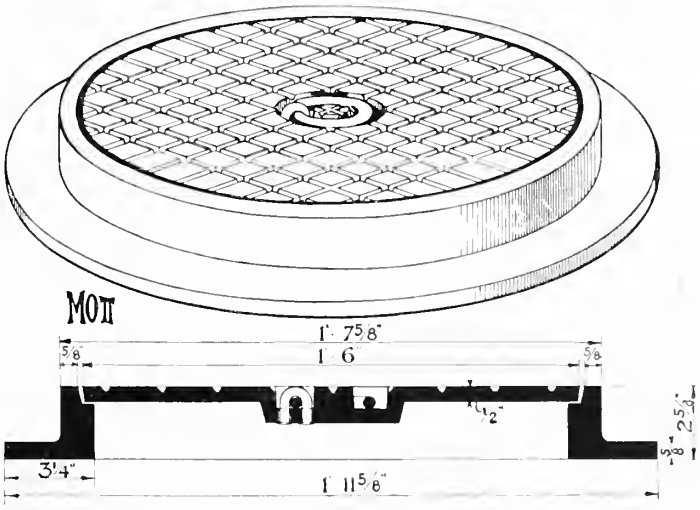


Plate 42-C

Frames and Covers

FRAME AND PERFORATED COVER

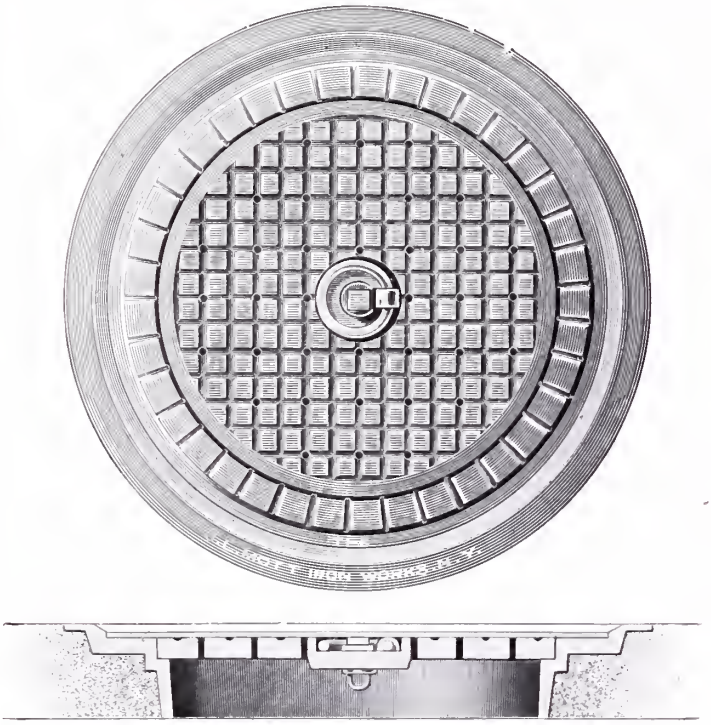


Plate 43-C

Frame and cover, 28¼ in.; cover, 19 in.

VAULT FRAME AND COVER

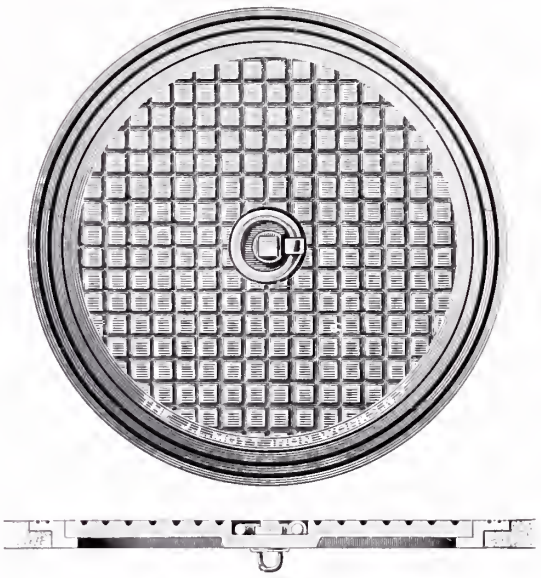


Plate 44-C

Frame and cover, 22 in.; cover, 19 in.
Frame and cover, 24 in.; cover, 21 in.
Frame and cover, 28 in.; cover, 25 in.
Openings in frames are 1 inch less than diameter of cover

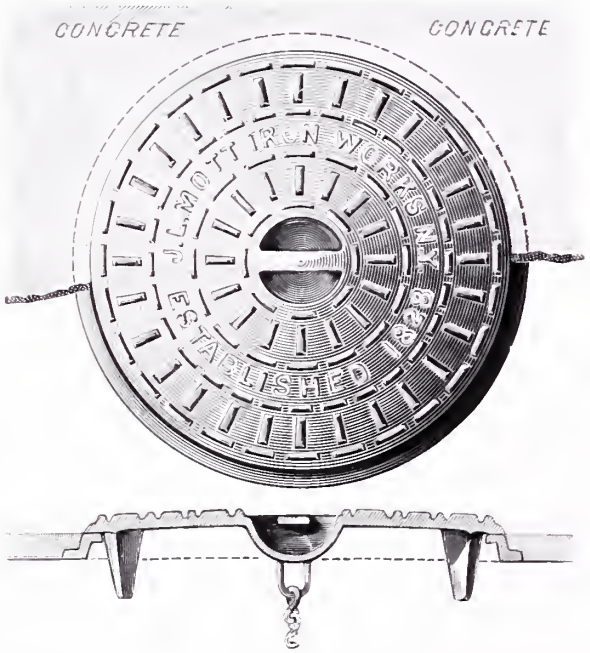


Plate 45-C

Cover, 18 in. diameter
Cover, 20 in. diameter
Cover, 24 in. diameter

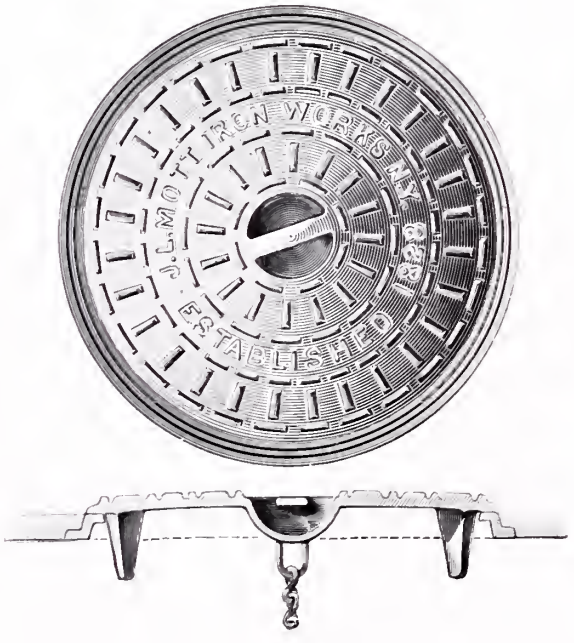


Plate 46-C

Heavy
Frame, 21¾ in.; cover, 20 in.; opening in frame, 18 in. diameter

Frames and Covers

Plate 47-C

HEAVY FRAME AND COVER

	Ring (diam.)	Opening (diam.	Cover (diam.)
No. 1 —	34 in.	24 in.	26 in.
No. 2 —	46½ in.	36 in.	38 in.

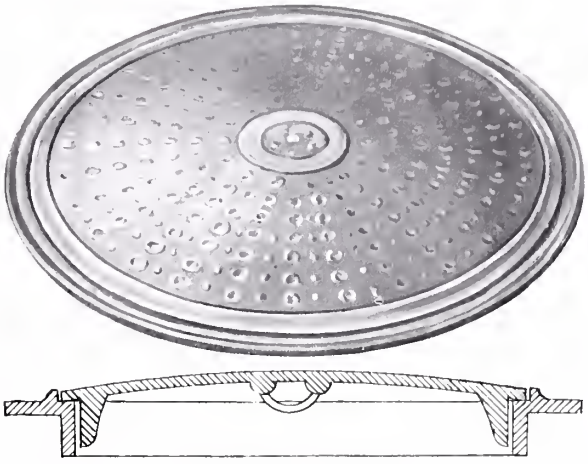


Plate 48-C

COALHOLE FRAME AND COVER

	Frame (diam.)	Cover (diam.)	Opening (diam.)
No. 1 —	15 in.	12 in.	11¼ in.
No. 2 —	17¼ in.	14 in.	13 in.
No. 3 —	19½ in.	16 in.	14¾ in.
No. 4 —	22 in.	18 in.	16¾ in.
No. 5 —	24 in.	20 in.	18¾ in.
No. 6 —	28½ in.	24 in.	22¾ in.

Plate 49-C

	Frame (diam.)	Opening (diam.)	Cover (diam.)
No. 1 —	24 in.	20 in.	20¾ in.
No. 2 —	28½ in.	23½ in.	24¼ in.

Plate 50-C

	Frame (diam.)	Opening (diam.)	Cover (diam.)
No. 1 —	24 in.	20 in.	20¾ in.
No. 2 —	28½ in.	23½ in.	24¼ in.

Frames and Covers

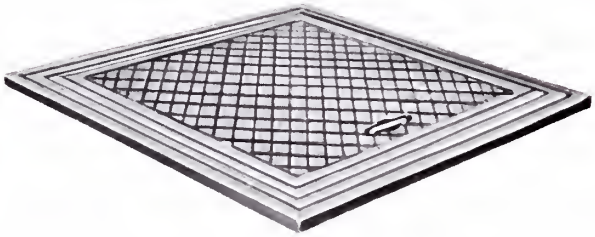


Plate 51-C

Hinged Frame and Cover

Frame, 38 × 41½ in.
Cover, 27 × 30 in.

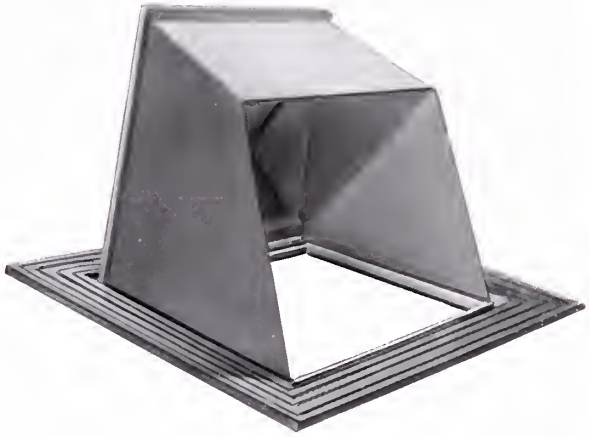


Plate 51½-C

View of 51-C, open
Opening, 2 ft. × 1 ft. 8 in.

Plate 52-C

Diameter, 2 ft. Monogram to suit.

Plate 53-C

12 in. diameter 18 in. diameter
14 in. diameter 20 in. diameter
16 in. diameter 24 in. diameter

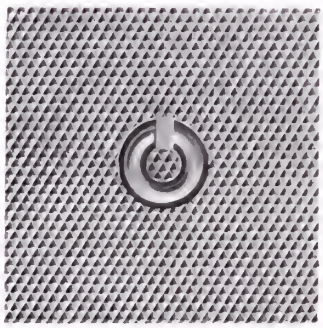


Plate 54-C

No. 1—18 in. × 18 in.
No. 2—24 in. × 24 in.

Curb Gratings

Plate 55-C

For Corner Receiving Basins
Length, 4 ft. 1½ in.; width, 9½ in.

Plate 56-C

For use with Straight Curbing
Length, 3 ft. 9½ in.; width, 9½ in.

HERRING BONE GRATE BAR

Plate 57-C

For Receiving Basin
Length, 4 ft.

WROUGHT IRON MANHOLE STEP

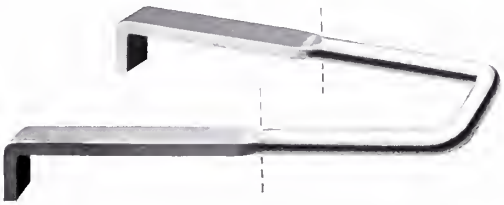


Plate 58-C

¾-inch or 1-inch, plain and galvanized

RECEIVING BASIN HOOD AND HANGER

Plate 59-C

Height, 2 ft. 3 in.; width, 1 ft. 6 in.; projection, 11 in., including hanger shown.

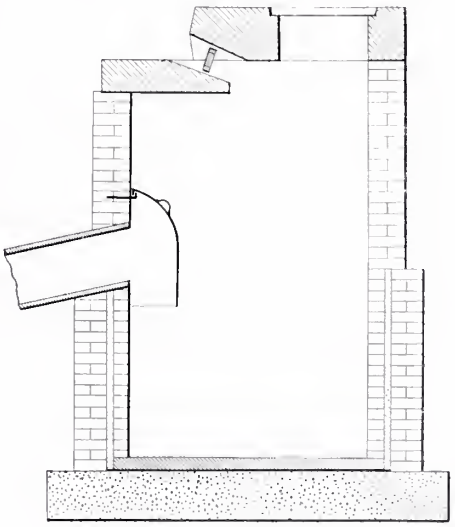


Plate 60-C

Shows application of Plate 59-C

Catch Basins

Plate 61-C

Plate 61-C

CATCH BASIN INLET

Opening in curb casting, 21 in. × 18 in.
Grating, $21\frac{3}{4}$ in. × 19 in.
Depth, from base to top of grate in front 8 in.
Depth from base to top of grate in rear 7 in.
Diameter of base, 42 in.

Very heavy, is used where the heaviest traffic occurs. The grating is concaved at discharge end and can be set up vertical and is locked in position.

Plate 62-C

CATCH BASIN INLET

Opening in curb casting, $20\frac{1}{2}$ in. Grating, 22 × 17 in.
Depth from base to top of grate in front, 7 in.
Depth from base to top of grate in rear, 6 in.
Diameter of base, 37 in.
Dimensions on top with curb castings removed, $24\frac{1}{4}$ × $24\frac{1}{4}$ in.
Adjustable as to street and curb. Grating locked.
Adjustable from $6\frac{1}{4}$ in. to 10 in. in height for curb line.

Plate 62-C

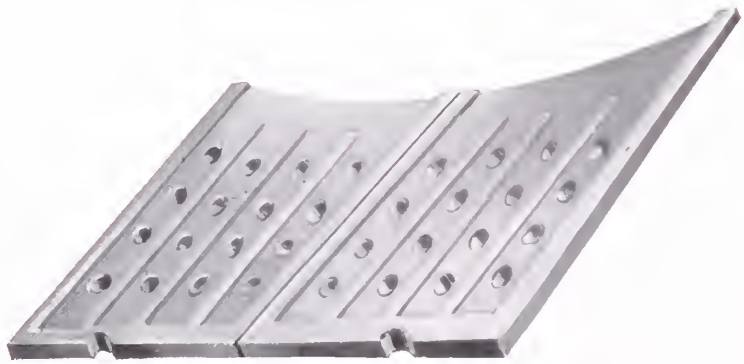


Plate 63-C

Plate 63-C

STANDARD BASIN PAN

Sizes to order.

Frames and Gratings

Plate 64-C

Diameter of flange, 31¼ in.
Size of grating, 14½ × 24 in.
Height, 9 in.

Plate 65-C

ROAD BOX AND GRATE
26 in. long × 15 in. wide. 10½ in. deep.
Outlet extension, 13 in. diameter.

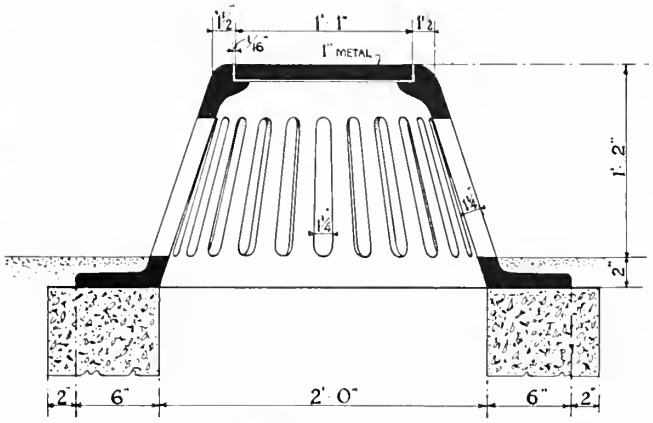


Plate 66-C

Top, 1 ft. 4 in.
Base, 3 ft.
Cover, 1 ft. 1 in.
Depth, 1 ft. 4 in.

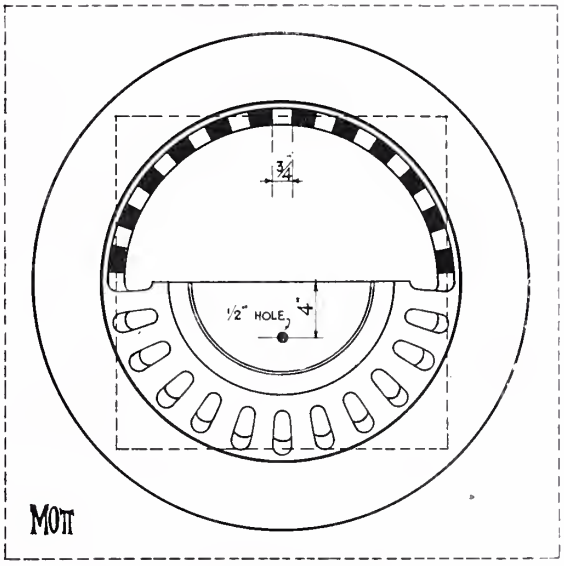


Plate 67-C

Plan View of 66-C

Plate 68-C

Flange, 26 × 52 in.
Grating, 10½ × 40 in.
Height, 11 in.

Plate 69-C

Flange, 40 × 34 in.
Cover, 24 × 18 in.
Height, 12⅜ in.

Walk Boxes

Plate 70-C

Frame at top, 1 ft. 3 in.; cover, 12 in. diam.; outlet, 12 in.; ¼ in. thick; depth over all, 1 ft. 3 in.; complete with turn bolt.

Plate 71-C

Cover, 8 in. diameter; frame at bottom, 9½ in. diameter; depth, 8½ in.

Plate 72-C

Length, 16 in.
Width, 10 in.
Height, 9 in.

Plate 73-C

No. 1—Size of frame and grate, 10 in. × 18 in.
No. 2—Size of frame and grate, 16 in. × 18 in.
No. 3—Size of frame and grate, 15 in. × 20 in.
No. 4—Size of frame and grate, 19 in. × 26 in.
Frames, 4 in. deep.

Plate 74-C

Over bottom flange, 1 ft. 5⅛ in. × 11¼ in.; top, 1 ft. 1½ in. × 7½ in.; cover, 1 ft. ½ in. × 6½ in.; depth over flange, 5 in.; over all, 5⅜ in.

Plate 75-C

Over bottom flange, 1 ft. 4 in. × 10¼ in.; top, 10 in. × 10 in.; cover, 7¾ × 7¾ in.; depth, 7¾ in.

Frames and Gratings

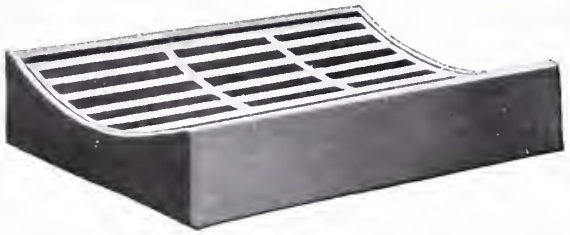


Plate 76-C

18 × 24 × 5 in.; grating, 16 × 22 in.
To be used for lawns and carriage drives, but not for street use or heavy traffic.

Plate 77-C

For roadway, streets, park, cemeteries, etc.
No. 1— 9 × 15 × 3 in. for use on lawns.
No. 2—18 × 24 × 5 in. Grating, 16 × 22 in. heavy.
The outlet can be used on 4, 6, 8 or 10 inch pipe

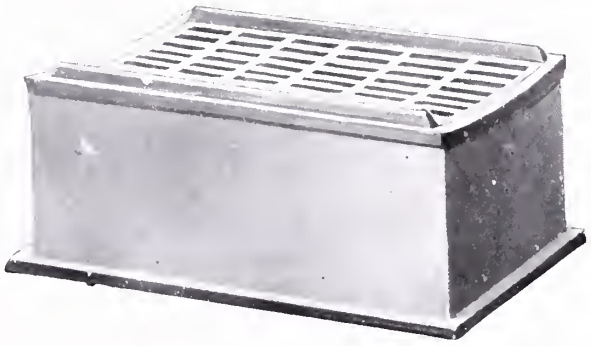


Plate 78-C

Base, 18 × 10 in.
Grate, 16 × 8 in.
Full height, 8 in.

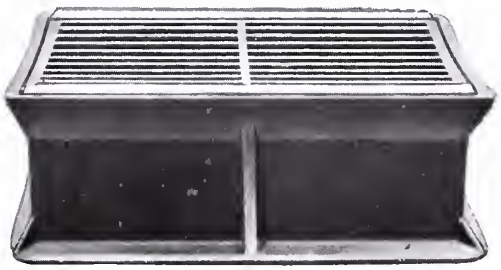


Plate 79-C

Base, 28½ × 16 in.
Top, 27½ × 14¾ in.
Height, 10 in.
Grating, 25½ × 14 in.
Body of Box, 25½ × 12¾ in.

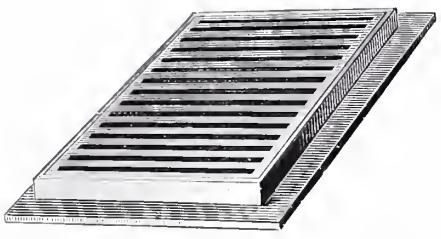


Plate 80-C

4 × 6 in. on top
8 × 10 in. on top
10 × 12 in. on top
10 × 18 in. on top

Plate 81-C

Top, 1 ft., 9¼ in. × 11½ in.
Bottom flange, 2 ft., 3¼ in. × 1 ft., 5½ in.
Grating, 1 ft., 7¾ in. × 9⅞ in.
Depth, 8 in.

Frames and Gratings

Plate 82-C

Top, 18 × 24 in.
Bottom, 14 × 20 in.
Grating, $14\frac{3}{4}$ × $20\frac{3}{4}$ in
Depth, 3 in.

Plate 83-C

Top, 6 × 9 in.
Base, $14\frac{1}{4}$ × $22\frac{1}{4}$ in.
Depth, $9\frac{1}{2}$ in.

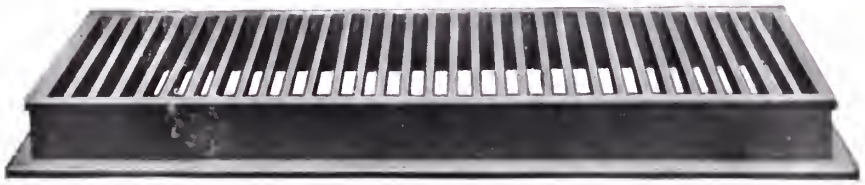


Plate 84-C

Top surface dimensions, 49 × 15 in. Depth, 4 in.

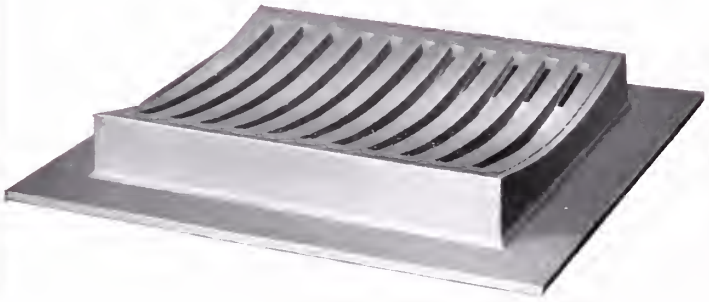


Plate 85-C

No. 1—Top, 11 × 14 in.; bottom, $15\frac{1}{2}$ × $18\frac{1}{4}$ in.
No. 2—Top, 14 × 18 in.; bottom, $18\frac{3}{4}$ × $22\frac{5}{8}$ in.
No. 3—Top, 12 × 24 in.; bottom, 17 × 29 in.

Plate 86-C

Length, 18 in.
Width, 12 in.
Depth, $6\frac{1}{2}$ in.
Width of flange, 3 in.

Frames and Gratings

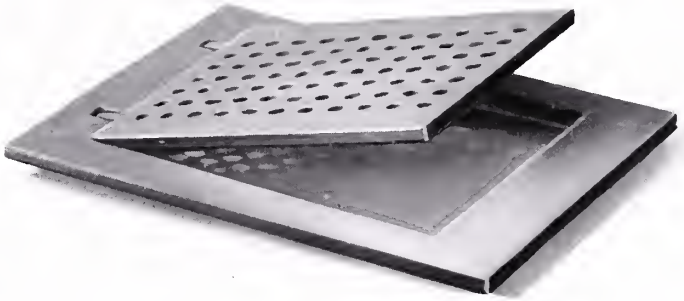


Plate 87-C

Top, 12½ × 16⅜ in.
Cover, 9⅜ × 11⅞ in.

Plate 87-C

Plate 88-C

Frame over flange, 18½ in. square
Top, 14 in. square
Grating only, 12½ in. square
Depth over all 2½ in.

Plate 88-C

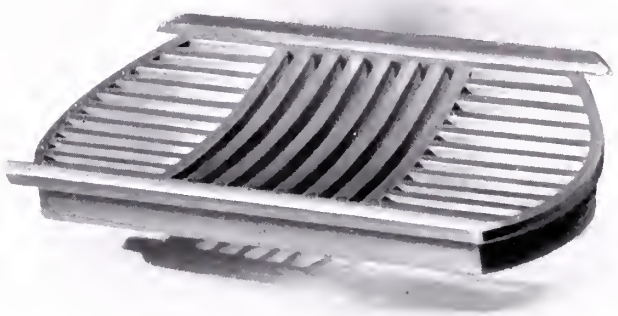


Plate 89-C

23½ × 15½ in. wide, and 16¼ in. wide over flange

Plate 89-C

Plate 90-C

19¾ × 9⅞ in.

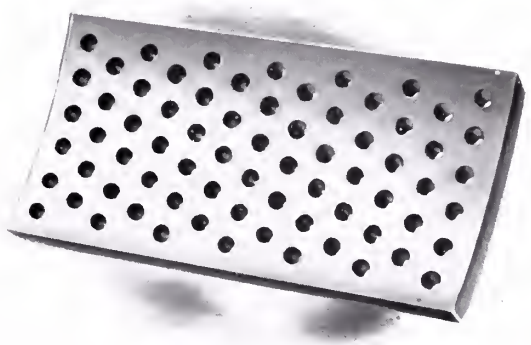


Plate 90-C

Gutters and Cesspools

Plate 91-C

Frame over flange at bottom, 3 ft., 1¼ in. × 3 ft., 1¼ in.; frame on top, 1 ft., 9½ in. × 1 ft., 9½ in.; depth,

Plate 92-C

Plate 92-C

Flange, 60 in. square
Grating, 44 in. square
Depth, 11 in.
Pattern may be altered to suit requirements.

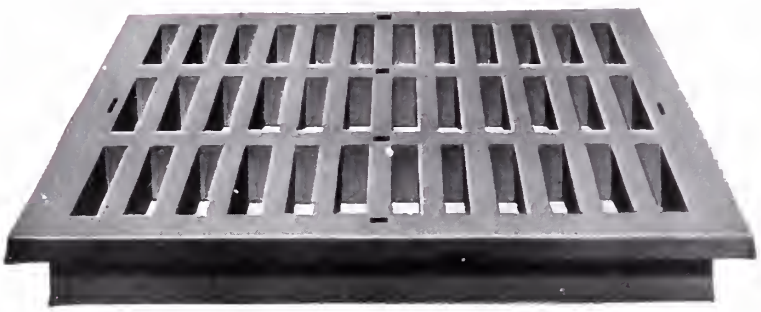


Plate 93-C

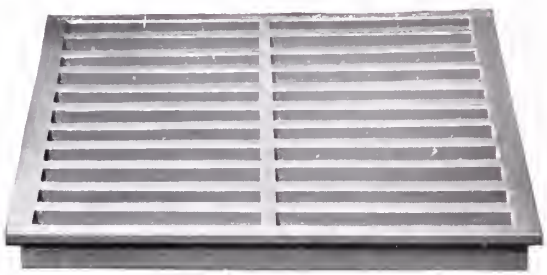


Plate 94-C

HEAVY TRAFFIC GRATINGS

Made in the following sizes:

24 × 18 in.	36 × 24 in.
24 × 20 in.	36 × 30 in.
24 × 24 in.	36 × 36 in.

All 3 in. deep

(Sizes given do not include the ⅝ in. flange all around)

9 × 17 × 2 in.	14 × 19 × 2 in.
12 × 13 × 2 in.	16 × 20 × 2 in.
13 × 15 × 2 in.	18 × 25 × 2 in.
14 × 15 × 2 in.	24 × 36 × 1½ in.
15 × 17 × 2 in.	36 × 36 × 2 in.

Gutter Bridges

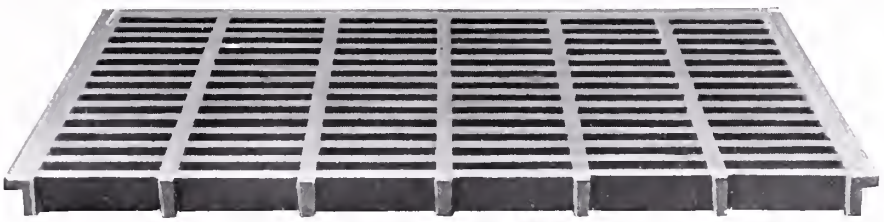


Plate 95-C

Plate 95-C

57 × 27 × 3 in. in one piece
57 × 54 × 3 in. in two pieces

This pattern can be used for covering areas besides the above in multiples of 27 inches, but all 57 inches long.

Plate 96-C

Gutter Bridge
4 ft. 3¾ in. long
3 ft. 3½ in. wide
With lifting rings

Plate 96-C

Plate 97-C

Plate 98-C

Widths and Sizes of Gutter Bridge—Either Pattern

12 in. wide × 1 in. thick	12 in. wide × 1¼ in. thick	12 in. wide × 1½ in. thick
15 in. wide × 1 in. thick	15 in. wide × 1¼ in. thick	15 in. wide × 1½ in. thick
18 in. wide × 1 in. thick	18 in. wide × 1¼ in. thick	18 in. wide × 1½ in. thick

Sewer Pipe Frames and Gratings

Plate 99-C

Base, 20½ in. diameter. Grate, 8 × 14 in.
Will fit in spigot end of 18-in. pipe, or in bell or 15-in. or 16-in. pipe, or on masonry.
Especially designed for lawn use. The base is large, making a secure foundation when soil is filled in, small grate surface appears.

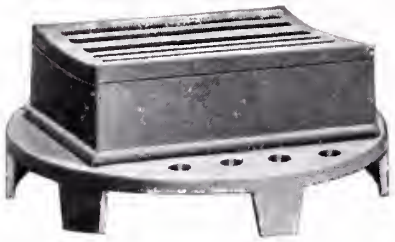


Plate 100-C

Top, 9 × 6 in. Full depth, 5 in.
Diameter of base, 10¾ in.
Will fit hub of 10-in. iron pipe

Plate 101-C

Top, 11 in. diameter; flange, 14¼ in. diameter; bottom, 12 in. diameter.
To set into hub of 10-in. earthen drain pipe

Plate 102-C

No. 1 Grate—10½ in. diameter. Frame, 13¾ in.
No. 2 Grate—20¾ in. diameter. Frame, 24 in.
Designed for carrying a great flow of water. The grate is connected with a lower ring, and is separate from the outer frame.

Plate 103-C

Top, 6 in. long, 3¾ in. wide; depth, 5 in.; total depth, 7 in.
Grating only, 6 × 3¾ in.
Designed to fit into hub of 6-in. drain pipe

Plate 104-C

Frame, 1 ft. 10 in. diameter;
Cover, 1 ft. 8 in. diameter.

Frames and Gratings

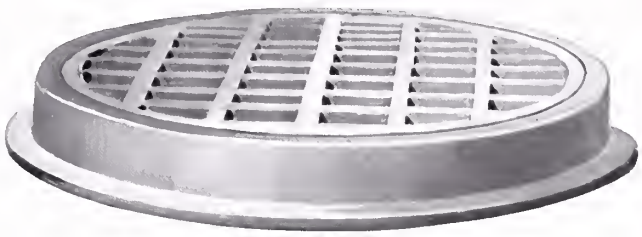


Plate 105-C

	Top	Base	Cover	Depth	Opening
No. 1—	29 in.	32 in.	27¾ in.	4 in.	26 in.
No. 2—	23½ in.	26 in.	21 in.	3 in.	20 in.

Furnished with concaved grating

Plate 106-C

Diameter, 26 in.

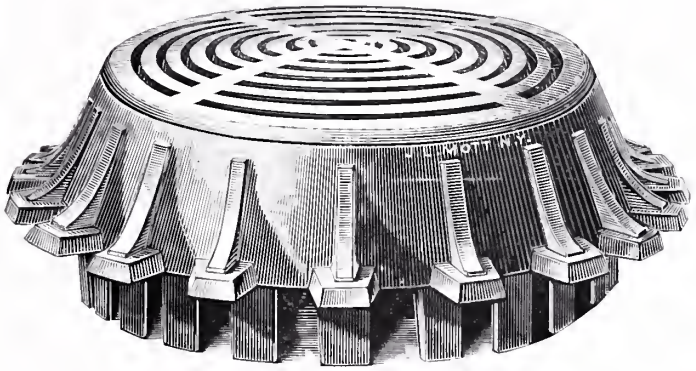


Plate 107-C

No. 1—Diameter of Frame on top, 18 in.
No. 2—Diameter of Frame on top, 24 in.
No. 3—Diameter of Frame on top, 36 in.
Furnished with either open or closed cover

Plate 108-C

	Opening	Depth	Diameter of Bottom	Grate
20 in. (light pattern)	4 in.	26½ in.	20½ in. diam.
20 in. (deep pattern)	6½ in.	28¾ in.	20½ in. diam.
20 in. (heavy pattern)	4¾ in.	27 in.	20½ in. diam.
24 in. (light pattern)	6 in.	31½ in.	24¼ in. diam.
24 in. (heavy pattern)	6 in.	31½ in.	24¼ in. diam.

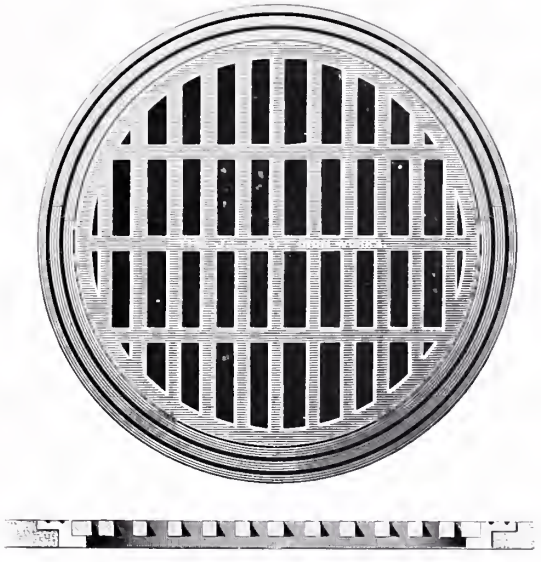


Plate 109-C

Frame and grating, 22 in.; grating, 19 in.
Frame and grating, 24 in.; grating, 21 in.
Frame and grating, 30 in.; grating, 27 in.
Grating only, diameter 28 in.
Openings in frames are 1 in. less than diameter of cover

Plate 110-C

	Opening	Grating
No. 1—Frame and Grate	24 in.	20 in.	20¾ in.
No. 2—Frame and Grate	28½ in.	23½ in.	24¼ in.

Gratings

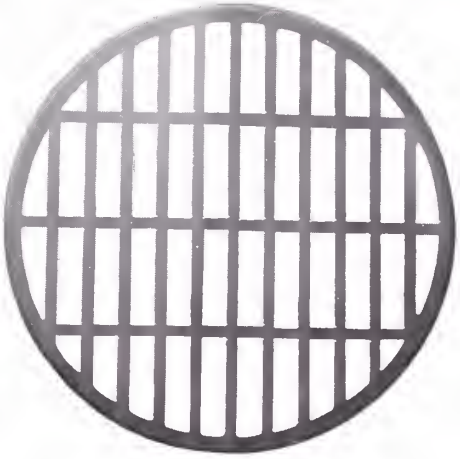


Plate 111-C

Convex

Plate 111-C

No. 1—18 in. diameter
No. 2—24 in. diameter
No. 3—36 in. diameter

Plate 112-C

No. 1—18 in. diameter
No. 2—24 in. diameter

Plate 112-C

Concave

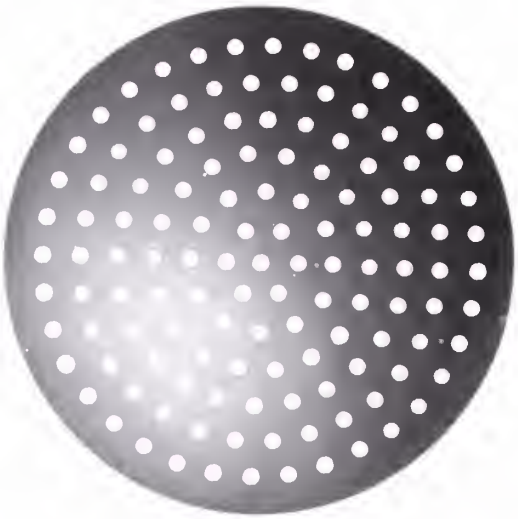


Plate 113-C

$22\frac{3}{4}$ in. diameter

Perforated Cover, Concave

Plate 114-C

Concaved Catch Basin Grate

A projection on the under side of grate fits the small end of pipe while the entire grate will set in hub end.

Plate 114-C

No. 1—For 18-in. pipe
No. 2—For 24-in. pipe
No. 3—For 30-in. pipe
No. 4—For 60-in. pipe
No. 5—For 20-in. pipe

Plate 115-C

Size of Pipe	Size of Grating
8 in.	10 in.
10 in.	12 in.
12 in.	$14\frac{3}{4}$ in.
15 in.	$17\frac{3}{4}$ in.
18 in.	$20\frac{5}{8}$ in.
20 in.	$23\frac{3}{4}$ in.
24 in.	$27\frac{3}{4}$ in.

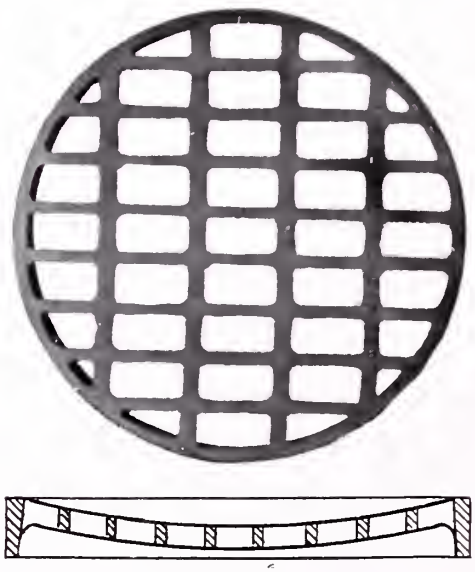


Plate 115-C

Concave Grates to fit in bell end of pipes

Gratings

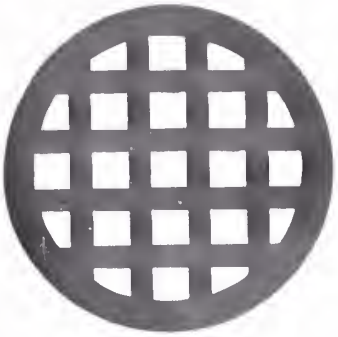


Plate 116-C

14 in. diameter, 1¼ in. thick
16 in. diameter, 1¼ in. thick

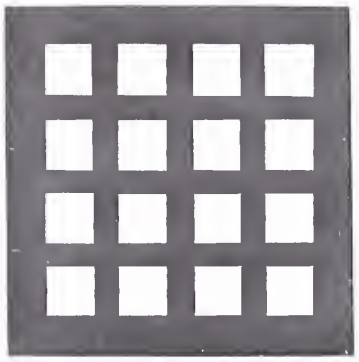


Plate 117-C

12 in. square

Plate 118-C

12 in. diameter, 1¼ in. thick

Plate 119-C

10 in. diameter, 2 in. thick
14¾ in. diameter, 2½ in. thick

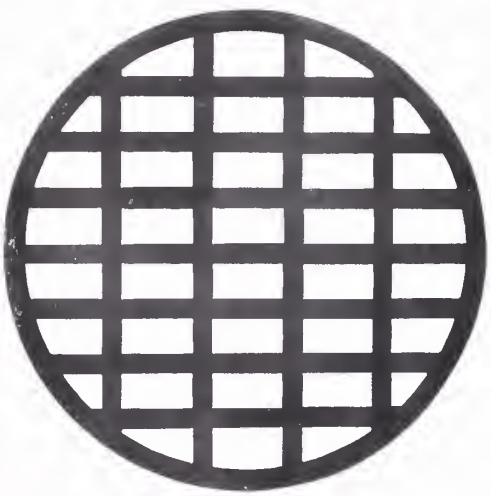


Plate 120-C

Plate 120-C

28 in. diameter
Special sizes furnished on application

Plate 121-C

24 in. diameter

Plate 121-C

Gratings

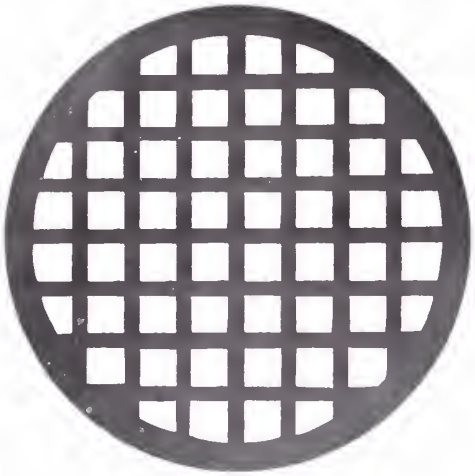


Plate 122-C

12 in. diameter, 1¼ in. thick
14 in. diameter, 1¼ in. thick
16 in. diameter, 1¼ in. thick
21 in. diameter, 1¼ in. thick

Plate 123-C

Diameter of Grate	Fits hub of Pipe	Diameter of Grate	Fits hub of Pipe
4¾ in.	3 in.	12 in.	10 in.
5¼ in.	4 in.	14¾ in.	12 in.
6¼ in.	5 in.	17¾ in.	15 in.
7½ in.	6 in.	20¾ in.	18 in.
8¾ in.	7 in.	23 in.	20 in.
10 in.	8 in.	24¼ in.	22 in.
11 in.	9 in.	27 in.	24 in.

PIPE STRAINERS

Plate 124-C

Diameter inches		
3	fits hub	2 in. Soil Pipe
4	fits hub	3 in. Soil Pipe
5	fits hub	4 in. Soil Pipe
5½	fits hub	4 in. Sewer Pipe
6	fits hub	5 in. Soil Pipe
6½	fits hub	5 in. Sewer Pipe
7	fits hub	6 in. Soil Pipe
7½	fits hub	6 in. Sewer Pipe
8	fits hub	7 in. Soil Pipe
8½	fits hub	7 in. Sewer Pipe
9	fits hub	8 in. Soil Pipe
9½	fits hub	8 in. Sewer Pipe
10½	fits hub	9 in. Sewer Pipe
11½	fits hub	10 in. Sewer Pipe
14½	fits hub	12 in. Sewer Pipe

CESSPOOL PLATES

Plate 125-C

Round or Square
4 in. diameter
5 in. diameter
6 in. diameter
7 in. diameter
8 in. diameter
9 in. diameter
10 in. diameter
12 in. diameter

BAR CESSPOOL PLATES

Plate 126-C

4 in. square
5 in. square
6 in. square
7 in. square
8 in. square
9 in. square
10 in. square
11 in. square
12 in. square
6 × 8 in. see Plate 150-C

Frames and Doors

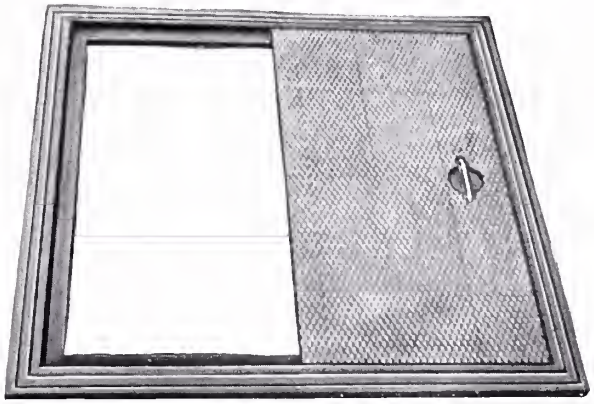


Plate 127-C

Plate 127-C

SQUARE FRAME WITH COVER IN TWO PIECES

Each with handle for ease in removing.
Cut illustrates one piece removed.
Frame, 45 × 45 in.; Opening, 36½ × 36½ in.

WROUGHT IRON DOORS AND FRAME

Plate 128-C

Cover made in two pieces with flush hinges and handles.

Any size to order

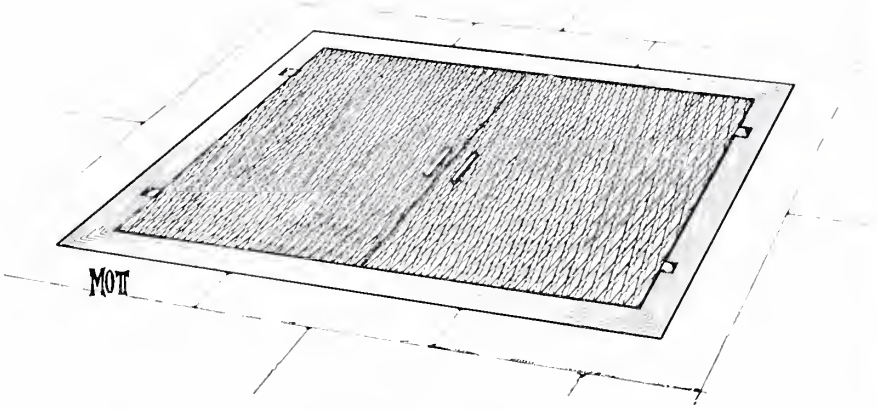


Plate 128-C

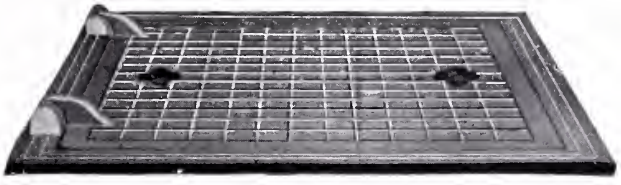


Plate 129-C

Plate 129-C

SQUARE FRAME AND COVER (HINGED)

Frame, 35 × 35 in.
Cover, 30 × 30 in.
Frame opening, 29 × 29 in.

Doors and Gratings

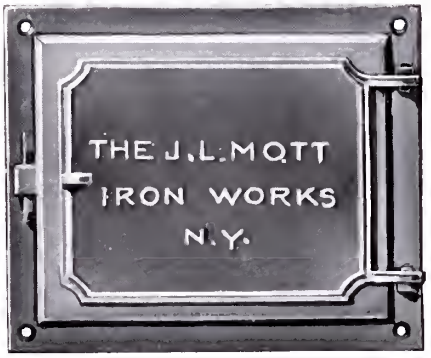


Plate 130-C

ASH PIT OR FLUE DOOR
Japanned

	HIGH	LONG
No. X—Door,	6 in. ×	8 in.
No. 00—Door,	5 in. ×	7 in.
No. 0—Door,	7 in. ×	9 in.
No. 1—Door,	8 in. ×	8 in.
No. 2—Door,	8 in. ×	10 in.
No. 3—Door,	10 in. ×	12 in.
No. 4—Door,	10 in. ×	14 in.

	HIGH	LONG
No. 4½—Door,	12 in. ×	12 in.
No. 5 —Door,	12 in. ×	15 in.
No. 5½—Door,	12 in. ×	16 in.
No. 6 —Door,	16 in. ×	16 in.
No. 7 —Door,	16 in. ×	20 in.
No. 8 —Door,	24 in. ×	16 in.

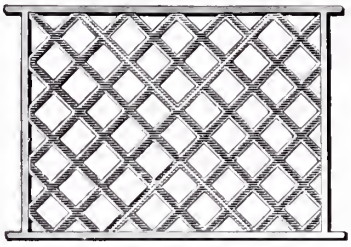


Plate 131-C

VENTILATOR GRATES

No. 1	— Size,	6 × 8 in.
No. 2	— Size,	6 × 12 in.
No. 3	— Size,	7 × 14 in.
No. 3½	— Size,	8 × 8 in.
No. 4	— Size,	8 × 10 in.
No. 5	— Size,	8 × 12 in.
No. 6	— Size,	8 × 16 in.
No. 7	— Size,	10 × 12 in.
No. 8	— Size,	12 × 12 in.
No. 9	— Size,	12 × 14 in.
No. 10	— Size,	12 × 18 in.
No. 11	— Size,	12 × 24 in.

WROUGHT IRON GRATING

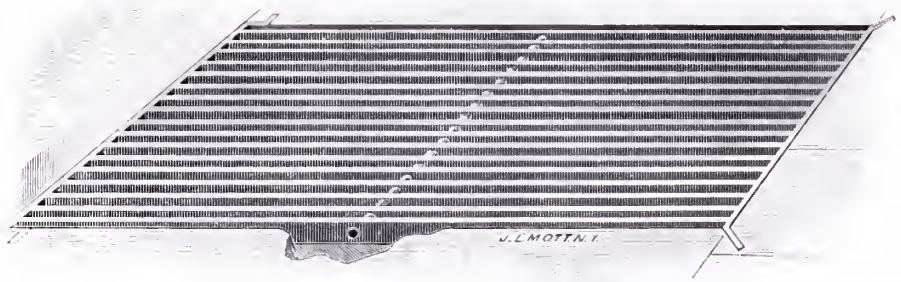


Plate 132-C

Plate 132-C

Made of 1½×⅜ iron, 1¼ in. apart
Made of 1¼×1¼ iron, 1¼ in. apart

Any size furnished to order

Plate 133-C

CAST IRON AREA GRATING

Frame . .	1½ × ¾ in.
Bars . .	1 × ½ in.
Openings . .	¾ in.

Any size to order

Plate 133-C

Street Washer Boxes

STREET WASHER BOX

Plate 134-C

Top, 10 in. × 10 in.
Same, extra heavy
Top, 15 in. × 15 in.
Any lettering cast on cover to order.
11½ in. × 11½ in. Bronx Borough Monument Box.

EXTRA HEAVY STREET WASHER BOX

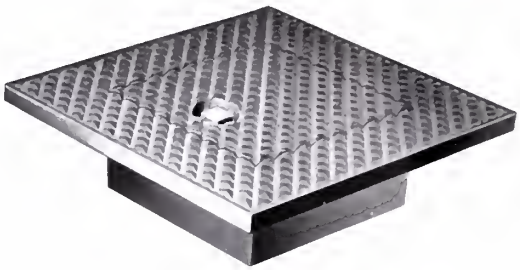


Plate 135-C

Top, 11½ in. × 11½ in., with lock; diamond pattern top.
Same as above, less lock; plain pattern top.

STOP-COCK BOX

Plate 136-C

Size top, 6 inches square.
Any lettering cast on cover to order

HEAVY SQUARE FRAME AND COVER, HINGED

Plate 137-C

	Top	Opening	Cover
No. 1	19 in. sq.	15 in. sq.	16 in. sq.
No. 2	26½ in. sq.	19 in. sq.	20 in. sq.
No. 3	32 in. sq.	24 in. sq.	25½ in. sq.

WATER PIPE LINE VALVE BOX

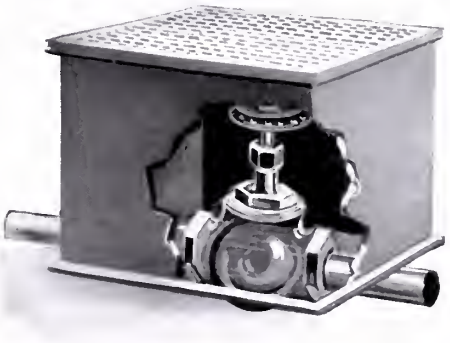


Plate 138-C

Plate 138-C

Bottom rests on the water pipe, which is below the surface, and box is filled around with earth, cover only appearing on surface.

On all pipe lines it is necessary to have valves at intervals for cutting or for connecting hose for sprinkling, etc.; valves are protected and are accessible.

Size, 13 in. × 15 in. × 12 in. high

Gutter Gratings

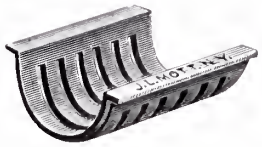


Plate 139-C

Dip, 2½ in.
Top, 6¾ in. long×7½ in. wide

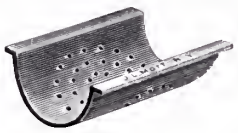


Plate 140-C

Dip, 2¼ in.
Top, 6¼ in. long×6⅜ in. wide

Plate 141-C

Dip, 1¼ in.
Top, 6¼ in. long×6⅜ in. wide

Plate 142-C

Dip, ¾ in.
Top, 6¼ in. long×6⅜ in. wide

Plate 143-C

Dip, 2½ in.
Top, 10½ in. square

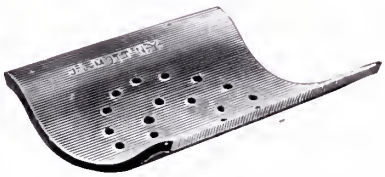


Plate 144-C

Dip, 2½ in.
Top, 10½ in. square

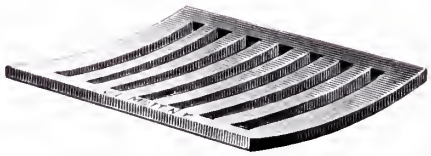


Plate 145-C

8 × 10 in., curved
10 × 10 in., curved
12 × 12 in., curved
10 × 18 in., curved
12 × 24 in., curved
17 × 19 in., curved
Special sizes furnished to order

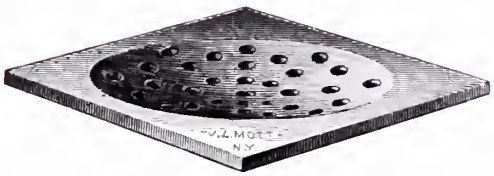


Plate 146-C

4	× 4 in.	9	× 9 in.
5	× 5 in.	10	× 10 in.
6	× 6 in.	12	× 12 in.
7	× 7 in.	18	× 18 in.
7½	× 7½ in.	20	× 20 in.
8	× 8 in.		

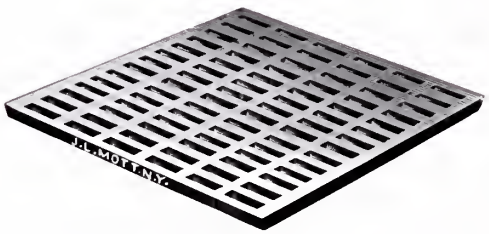


Plate 147-C

17⅝ in. square, ¾ in. thick
20 in. square, ½ in. thick

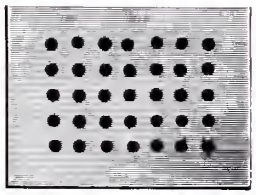


Plate 148-C

6 × 8 in.

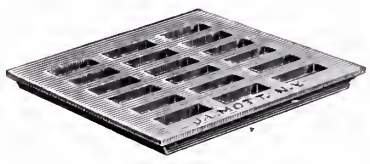


Plate 149-C

8 in. × 8 in.
9½ in. × 9½ in.
13¼ in. × 13¼ in.

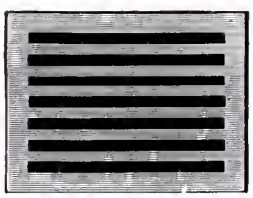


Plate 150-C

6 × 6 in.
6 × 8 in.
See 126-C also

Frames and Gratings

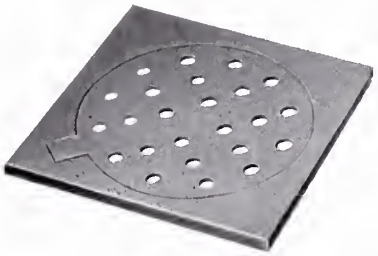


Plate 151-C

6 in. × 6 in.
9 in. × 9 in.

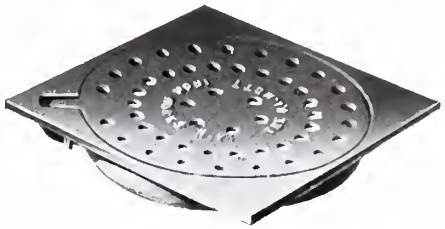


Plate 152-C

6 in. × 6 in.
9 in. × 9 in.
11½ in. × 11½ in.

Plate 153-C

10 in. × 10 in.

Plate 154-C

12 in. × 12 in.

Plate 155-C

No. 1—Top frame, 12 in. sq.; grating, 9½ in. sq.
No. 2—Top frame, 15½ in. sq.; grating, 13¼ in. sq.

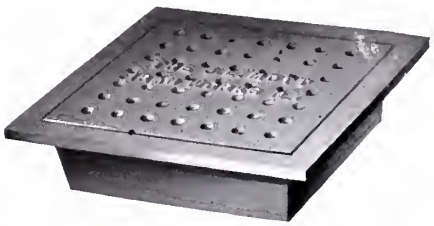


Plate 156-C

TWO SIZES
No. 1—Top frame, 12 in. sq.; cover, 9½ in. sq.
No. 2—Top frame, 15½ in. sq.; cover, 13¼ in. sq.

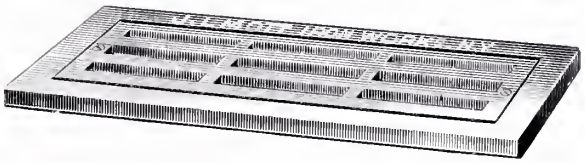


Plate 157-C

No. 1—Frame, 13¾ in. × 4¾ in.; grating, 11¾ in. × 3 in.
No. 2—Frame, 13¾ in. × 7 in.; grating, 11½ in. × 5 in.
No. 3—Frame, 17 in. × 10 in.; grating, 15 in. × 8 in.

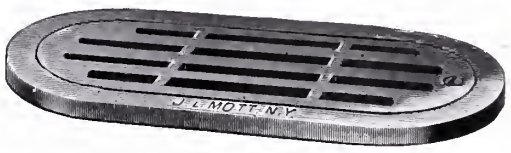


Plate 158-C

No. 1—Frame, 13¾ in. × 6 in.; grating, 11½ in. × 3¾ in.
No. 2—Frame, 16 in. × 8 in.; grating, 13½ in. × 5¾ in.
No. 3—Frame, 16½ in. × 11 in.; grating, 14 in. × 9 in.

Frames and Covers

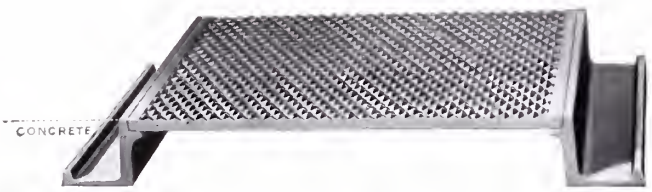


Plate 159-C

Plate 159-C

Frame (two pieces) and cover, sold by the foot

Cover, 6 in. wide	Cover, 15 in. wide
Cover, 10 in. wide	Cover, 18 in. wide
Cover, 12 in. wide	Cover, 24 in. wide

Above frame could be made for other sizes of cover.
Prices on application for special sizes of cover.

For Electrical Conduits

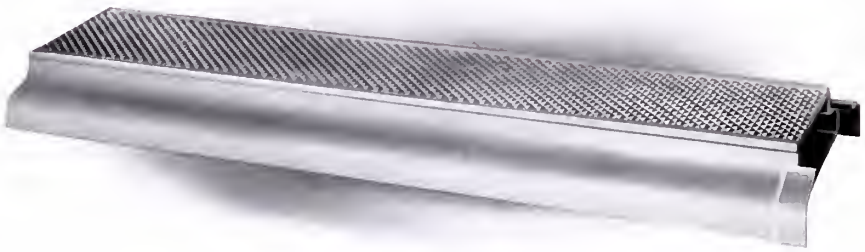


Plate 160-C

Over bottom flange, 1 foot 3 in.; $3^{3}/_{8}$ in. deep. Cover, $8^{3}/_{4}$ in. wide.

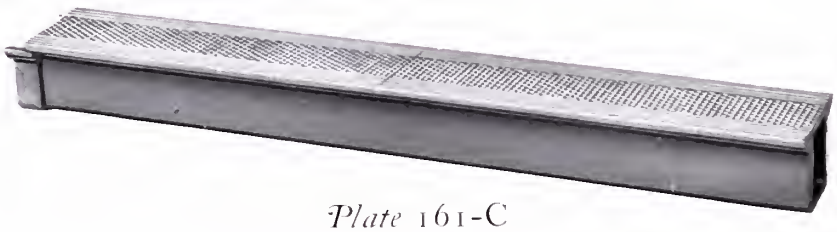


Plate 161-C

Over top flange, 9 in., inside measurement 6 in. wide × 5 in. deep. Cover, 7 in. wide.

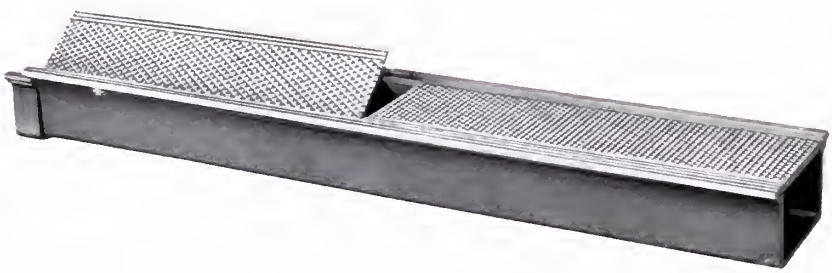


Plate 162-C

Over top flange, $12^{1}/_{4}$ in., inside measurement 9 in. wide × 5 in. deep. Cover 10 in. wide.

Gutter Covers

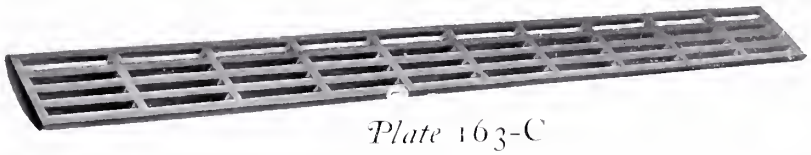


Plate 163-C

Width, $5\frac{3}{4}$ in. Can be used with Gutters, Plates 184-C and 185-C

Plate 164-C

Suitable for Concrete Gutters

Length Feet	Width Inches	Thickness Inches	Length Feet	Width Inches	Thickness Inches
4	$5\frac{1}{2}$	$\frac{7}{16}$	5	8	$\frac{1}{2}$
5	6	$\frac{1}{2}$	5	10	$\frac{9}{16}$
4	7	$\frac{1}{2}$	5	$10\frac{1}{4}$	$\frac{9}{16}$
4	$7\frac{1}{4}$	$\frac{1}{2}$	4	12	$\frac{5}{8}$

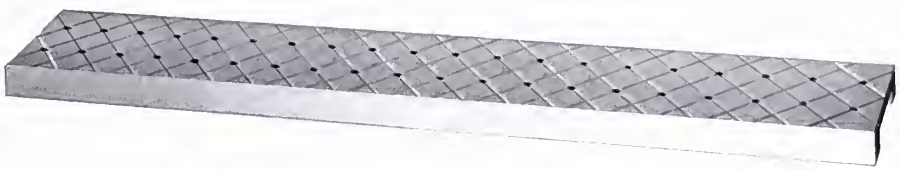


Plate 165-C

Depth of flange on side, $1\frac{7}{8}$ in. Suitable for Concrete Gutter.
Cover, $4\frac{1}{4}$ in. wide. Also $6\frac{1}{2}$ in. wide.

Plate 166-C

THE above Graded Gutter is made with Flange on either side and is $2\frac{1}{2}$ in. wide over all. Commencing flush with the top at one end, it gradually grows deeper through the inclined groove, as shown. By its use the Floor may be laid absolutely level and perfect drainage secured. Made in various sizes—see price list.

Open Gutters

Plate 167-C

Width, 7 in.; inside depth, 1½ in.

OPEN GRADED GUTTER, WITH OUTLET AND BLANK END

Plate 168-C

CESSPOOLS WITH BELL TRAPS, FOR OPEN GUTTERS

Plate 169-C

Open one end
Size on top, 12¾ in. square

For use with Plate 167-C and 168-C

Outlet, 3 in.
Furnished with 4-in. Outlet if desired

Plate 170-C

Open both ends
Size on top, 12¾ in. square

OPEN GRADED GUTTER

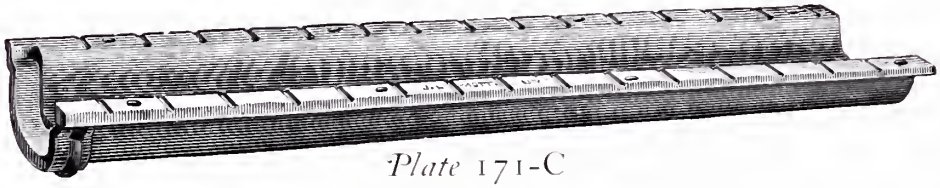


Plate 171-C

For wood floor. Width over flange, 6 inches.
Greatest depth at 20 feet, 3½ in.; at 35 feet, 5½ in.; at 52 feet, 7½ in.; descent in bottom, ⅛ in. per foot.

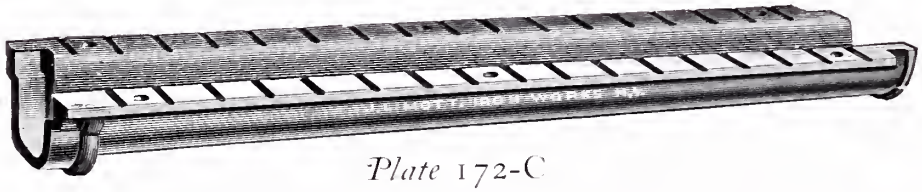


Plate 172-C

For wood floor. Width over flange, 8¼ in.
Greatest depth at 20 feet, 4 in.; at 30 feet, 5¼ in.; at 40 feet, 6½ in.; descent in bottom, ⅛ in. per foot.

Gutters and Cesspools

GRADED GUTTER AND COVER

Plate 173-C

This shallow Graded Gutter and Cover is made for space between floor and beams where a deeper Gutter could not be used.
It can only be furnished up to 15 feet in length on each side of center outlet.

GUTTER AND COVER

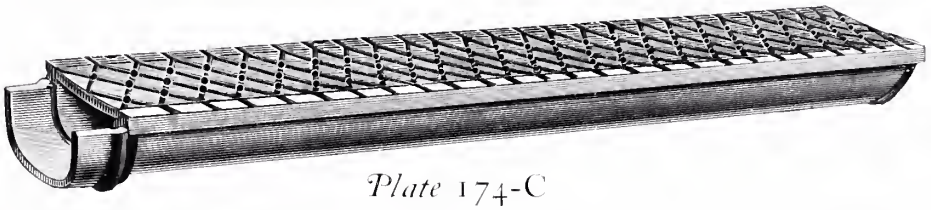


Plate 174-C

For Concrete Floor. Width, 5¼ in. Angle Pieces, Spigot Outlets and Blank Ends furnished to order.

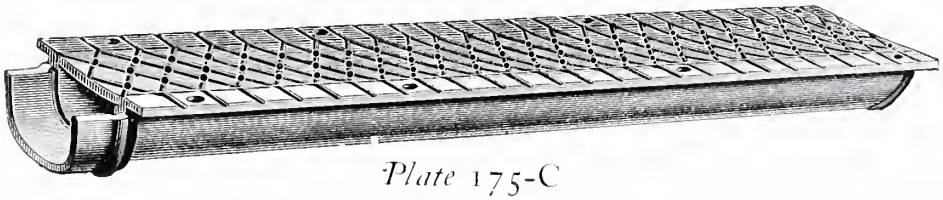


Plate 175-C

For Wood Floor. Width over Flanges, 7 in.
Angle Pieces, Spigot Outlets and Blank Ends furnished to order.

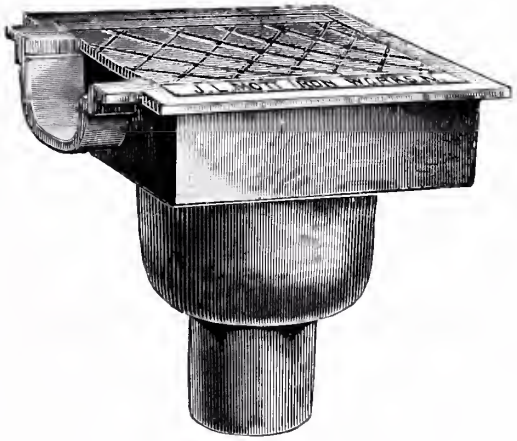


Plate 176-C

Open one end
Size on top, 12 in. square

For use with Plate 174-C and 175-C

Outlet, 3 in.
Furnished with 4-in. Outlet if desired

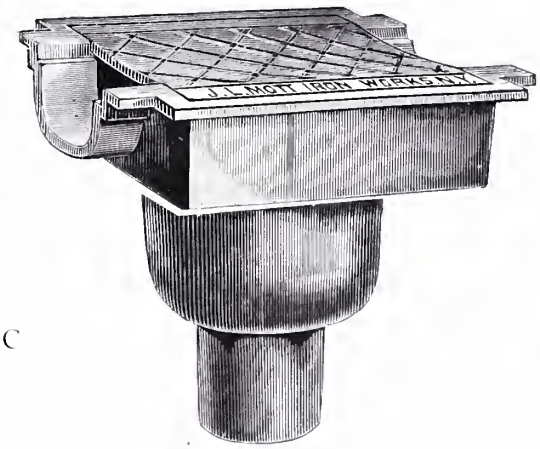


Plate 177-C

Open both ends
Size on top, 12 in. square

Gutters and Cesspools

OPEN GRADED GUTTER

Plate 178-C

The above is furnished in 5 feet lengths, closed at each end and graded to center, with spigot outlet
Width over Flanges, 5 in. Outlet, 3 in.

GUTTER AND COVER

Plate 179-C

For Concrete Floor. Width, 5½ in.
Angle Pieces, Spigot Outlets and Blank Ends furnished to order

Plate 180-C

For Wood Floor. Width over Flange, 6 in.
Angle Pieces, Spigot Outlets and Blank Ends furnished to order.

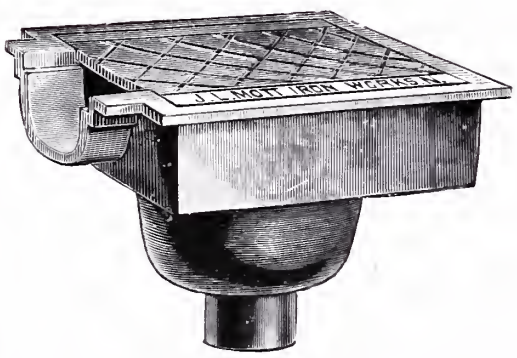


Plate 181-C

Open one end
Size on top, 12¾ in. square

For use with Plate 179-C
and 180-C

Outlet, 3 in.
Furnished with 4-in. Outlet if desired

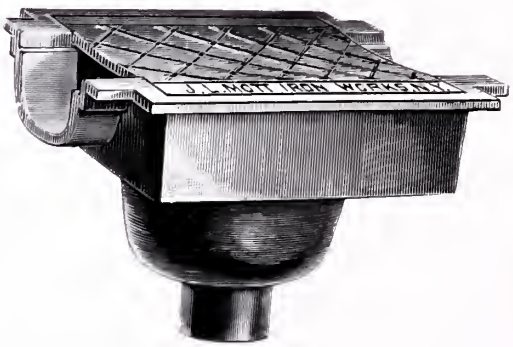


Plate 182-C

Open both ends
Size on top, 12¾ in. square

Gutters and Cesspools

BELL TRAP CESSPOOL WITH GUTTER BRANCHES

For Wood or Concrete Floor

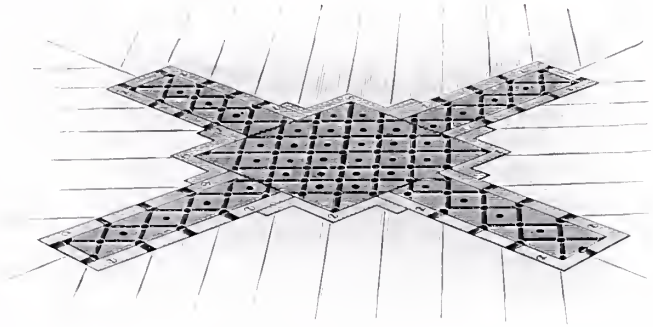


Plate 183-C

Extreme width, 3 feet. Outlet, 3 in.. Furnished with 4-in. Outlet if desired.
Can be extended any length up to 12 feet extreme width, to order, at an additional cost.

GRADED CAST IRON GUTTERS AND COVERS

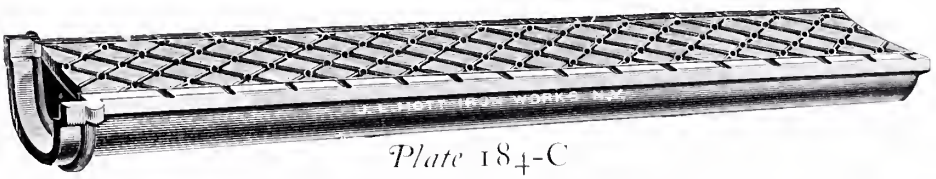


Plate 184-C

For Concrete Floor. Width, 6½ in.
Greatest depth at 20 feet, 4 in.; at 30 feet, 5¼ in.; at 40 feet, 6½ in. Descent in bottom, ⅛ in. per foot.

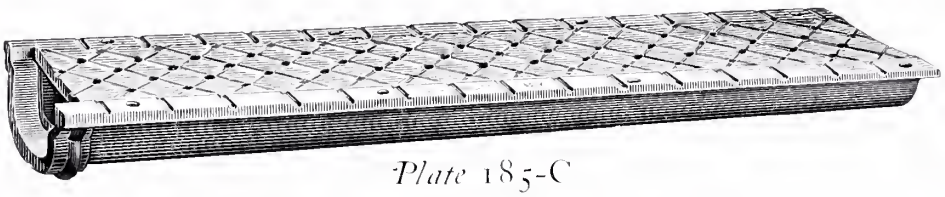


Plate 185-C

For Wood Floor. Width over Flange, 8¼ in.
Depth at various lengths, same as Plate 184-C. Angle Pieces, Spigot Outlets and Blank Ends furnished to order.

CESSPOOLS WITH BELL TRAPS

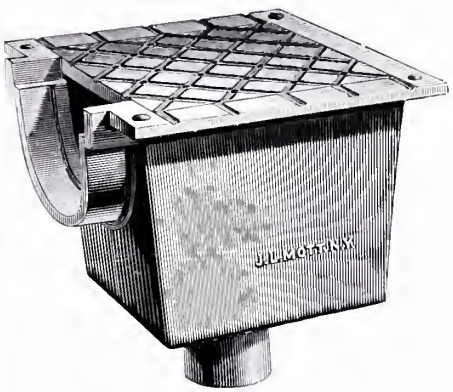


Plate 186-C

Open one end
Size on top, 11¾ in. square over flange

For use with Plate 184-C
and 185-C

Outlet, 3 in.
Furnished with 4-in. Outlet if desired

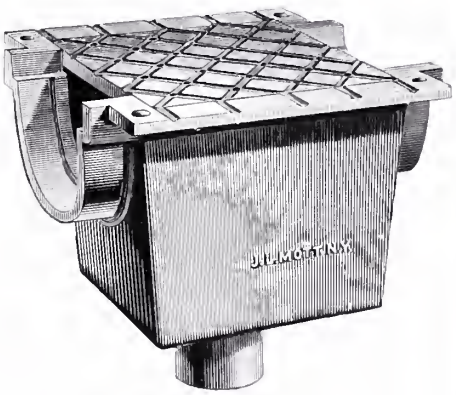


Plate 187-C

Open both ends
Size on top, 11¾ in. square over flange

The flange for Wood Floors, as shown, is omitted when furnished for concrete

Gutters and Cesspools

GRADED GUTTER AND COVER

Plate 188-C

For Concrete Floor. Width, 4½ in.
Greatest depth at 20 feet, 3½ in.; at 35 feet, 5½ in.; at 52 feet, 7½ in.;
descent in bottom, ⅛ in. per foot.

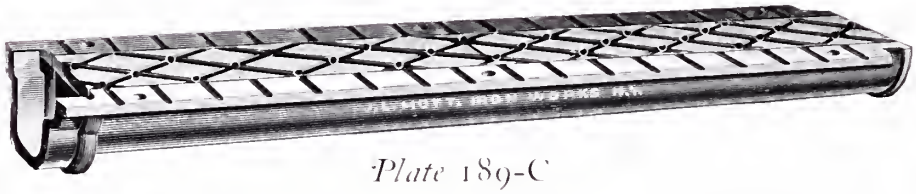


Plate 189-C

For Wood Floor. Width over Flange, 6 in. Depth at various lengths, same as Plate 188-C.
Angle Pieces, Spigot Outlets and Blank Ends furnished to order.

CESSPOOLS WITH BELL TRAPS

To Connect with Above Graded Gutter

Plate 190-C

Open one end
Size on top, 9 in. square

For use with Plate 188-C
and 189-C

Outlet, 3 in.
Furnished with 4-in. Outlet if desired

Plate 191-C

Open both ends
Size on top, 9 in. square

Gutters and Cesspools

ANGLE PIECES FOR GUTTERS

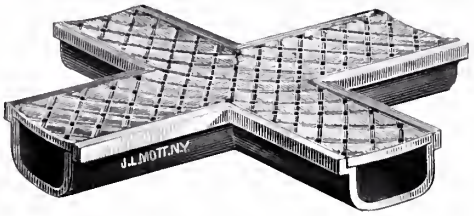


Plate 192-C

Double Right Angle Connection for all Gutters

Plate 193-C

Right or Left Angle Connection for all Gutters

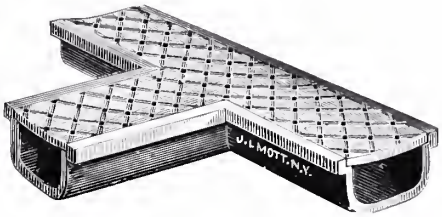


Plate 194-C

Right or Left T Angle Connection for all Gutters

DUPLEX GUTTER CESSPOOL

Plate 195-C

Duplex Bell Trap Cesspool. Can be furnished with 4-inch outlet if desired.
No. 1—Each 9 in. square on top. Outlet, 3 in.
No. 2—Each 11¾ in. square on top. Outlet, 3 in.

THE above Duplex Cesspool is arranged to receive graded gutter any length up to 20 feet. When arranged to receive greater lengths, prices on application. This Duplex Cesspool is a very convenient and satisfactory one to use as by the interchanging of the solid and perforated inner covers, drainage is directed to either one of the two outlets discharging through soil pipe at different points.

Gutters and Cesspools

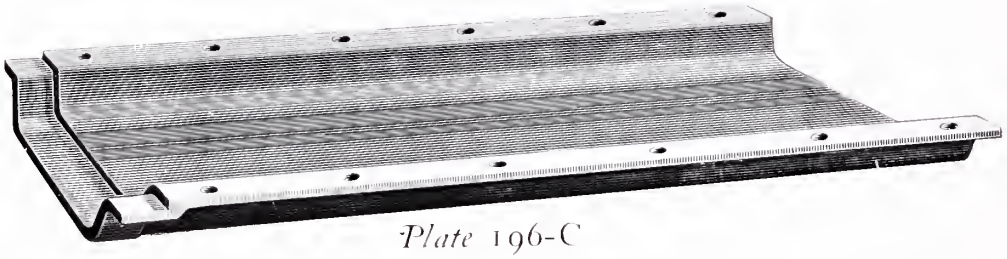


Plate 196-C

With flanges to screw to wood floor. 14 in. wide inside.

CAST IRON GUTTER WITH CAST IRON GRATING

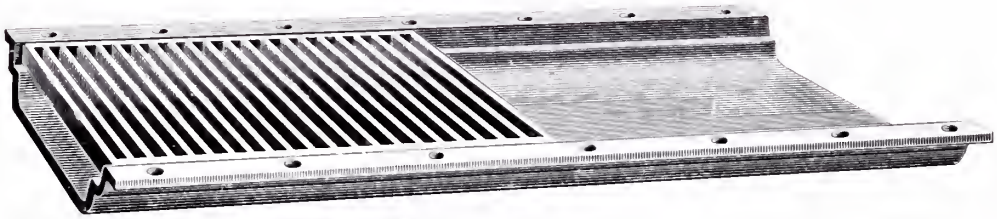


Plate 197-C

With flanges to screw to wood floor. Gutter, 13 in. wide inside. Grating, 14 in. wide. The grating is made in short lengths (2 feet 6 in. long) for convenience of handling

DUPLEX GUTTER CESSPOOL

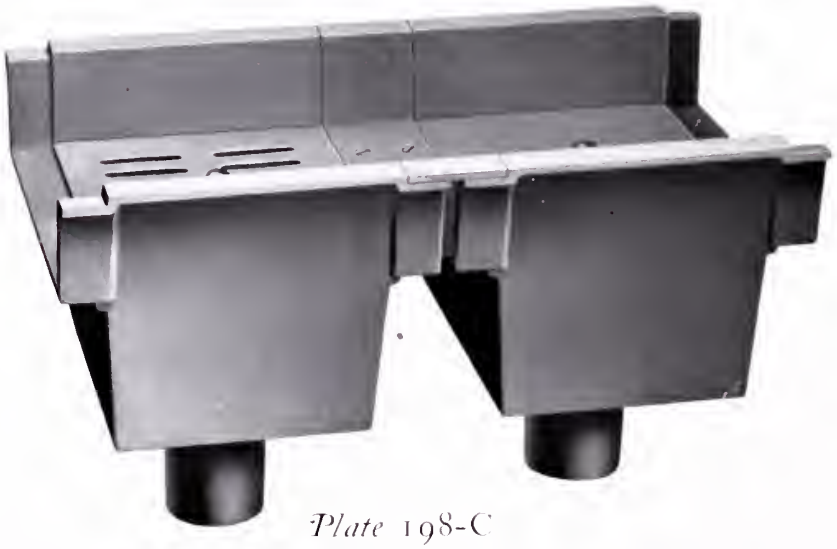


Plate 198-C

Duplex Bell Trap Cesspool. Each 15 in. long × 17 in. wide over flange outlets. No. 1 cesspool, open one end. No. 2 cesspool, open both ends.

For use with Plate 196-C and Plate 197-C

THIS Duplex Cesspool is a very convenient and satisfactory one to use, as by the interchanging of the solid and perforated inner covers, drainage is directed to either one of the two inlets, discharging through soil pipe at different points.

Cesspools

Plate 199-C

Fig. 1. Side view of Lynn Drain Trap, showing covers lifted and deposit pot discharging accumulated sediment.

THE LYNN DRAIN TRAP

For Automobile Washstands, Stables, Breweries, Factories, Hospitals, etc. Safe and perfect drainage; positive separation of sediment; easy and quick to clean.

Top over all 15¼x15¼ in.
Depth over all 14⅝ in.
No. 1 — Furnished with 3 in. discharge
No. 2 — Same as No. 1 but with polished brass top.
No. 3 — Double capacity No. 1 and furnished with 4 in. discharge.
No. 4 — Same as No. 3, but with polished brass top.

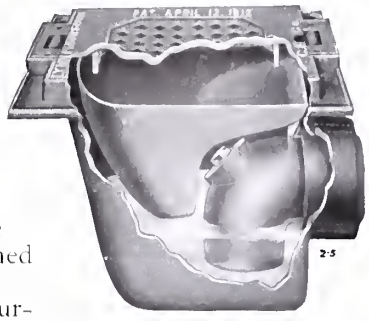


Plate 200-C

Fig. 2. Side view showing relation of parts when in service.

Plate 201-C

To take Gutters one, two or three ways

Plate 202-C

Top, 11½ in. square
Depth, 12 in.
Outlet, 3 in.

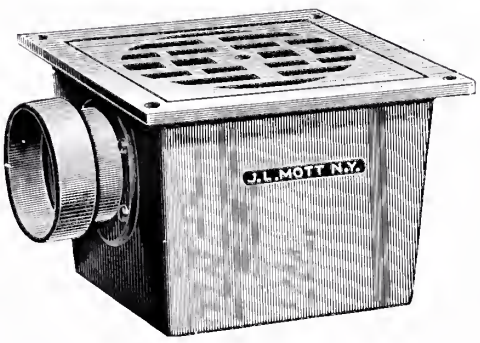


Plate 203-C

For Wood or Concrete Gutters
Size on top, 11 in. square

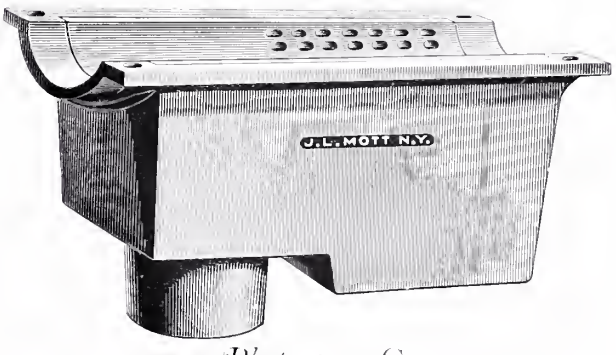


Plate 204-C

For Wood or Concrete Gutter
Size on top, 16 in. × 7 in. Outlet, 3 in.
Furnished with 4-in. Outlet if desired

Cesspools for Wood or Concrete Gutters

Plate 205-C

Without Bell Trap. Open one end

Top, 9¾ in. wide × 8½ in. long; depth, 8 in.

Plate 206-C

Without Bell Trap. Open both ends

Designed to fit gutters 2½ in. deep

Plate 207-C

With Bell Trap. Open one end

Top, 8 in. sq.; outlet, 3 in.; depth, 11½ in.

No. 1, with 2¼ in. dip
No. 2, with 1¼ in. dip
No. 3, with ¾ in. dip

Plate 208-C

With Bell Trap. Open both ends

Top, 8 in. sq.; Outlet, 3 in.; depth, 11½ in.

No. 1, with 2¼ in. dip
No. 2, with 1¼ in. dip
No. 3, with ¾ in. dip

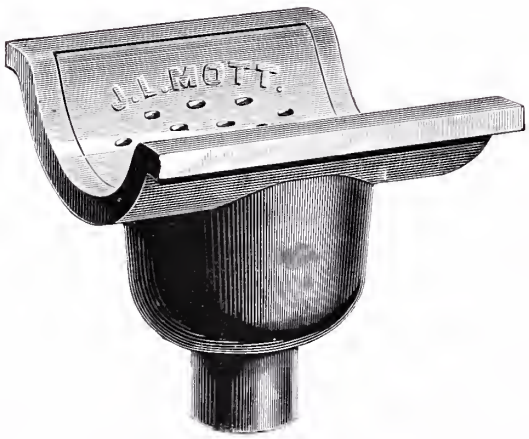


Plate 209-C

Top, 13 in. sq.; outlet, 4 in.; depth, 12 in.
Dip, 2½ in.

Plate 210-C

Top, 10 in. sq.; outlet, 4 in.; depth, 12 in.
Dip, 2¼ in.

Cesspools

Plate 211-C

With Bell Trap and Hinged Cover
Top, 6 in. square. Outlet, 2 in.
Spigot, 4 in. long. Total depth, 7 in.
Iron body with brass top, or
Brass, with polished top

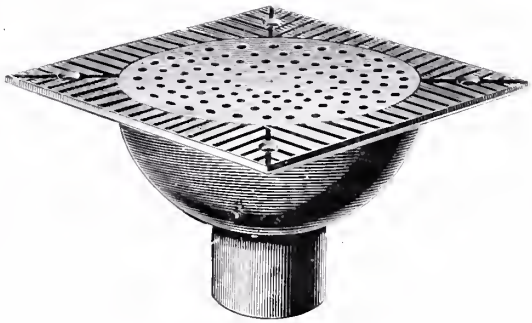


Plate 212-C

Top, 13½ in. square. Outlet, 4 in.
Depth, 8 in.

BRASS CESSPOOL

Plate 213-C

With Bar Strainer. Without Bell Trap
Top, 6 in. sq. Outlet threaded
for 2 in. I. P. male.
Depth, 4 in.
With polished top

Plate 214-C

Top, 10 in. square
Outlet, 4 in. Depth, 10¼ in.
Can be furnished with long spigot

Plate 215-C

Furnished light, medium and heavy
Top, 9 in. square. Outlet, 3 in.
9 × 9, depth, 8 in.; 12 × 12, depth, 8 in.

9	x 9	light, hinged cover
9	x 9	light, with extra heavy cover
12	x 12	light
12¾	x 12¾	medium
12¾	x 12¾	heavy

Can be furnished with long spigot

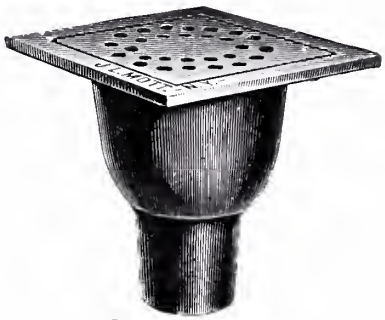


Plate 216-C

Top, 8 in. square. Outlet, 3 in.
Depth, 8¼ in.
Iron body with brass top, or
Brass, with polished top
Can be furnished with long spigot

Plate 217-C

Outlet, 4 in.; depth, 12¾ in.
No. 1, 12 in. square on top
No. 2, 15½ in. square on top
Can be furnished with long spigot

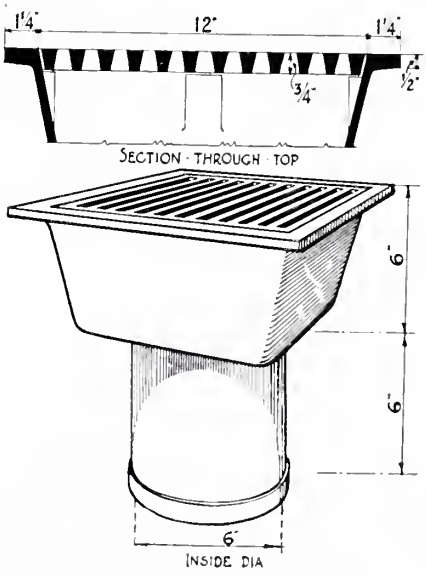


Plate 218-C

Top, 12 in. square; depth, 12 in.; outlet, 6 in.

Cesspools

Plate 219-C

Cesspool without Bell Trap
Top, 9 in. diameter. Cover, 7½ in. diam. Flange, 9 in. diam. Outlet, 3 in.

Plate 220-C

Cesspool without Bell Trap
Top, 6 in. diameter. Cover, 5 in. diameter. Outlet, 2 in. Extra heavy.

Plate 221-C

Cesspool without Bell Trap
Top, 13 in. diameter. Outlet, 3½ in. Depth, 10 in.

Plate 222-C

For concrete or brick floors
Top, 7¾ in. square. Outlet, 3 in. Depth, 16 in.
Can be made to take gutters one, two, three or four ways

Plate 223-C

Top, 8¾ in. Cover, 7½ in.
Depth, 13 in. Outlet, 2 in.

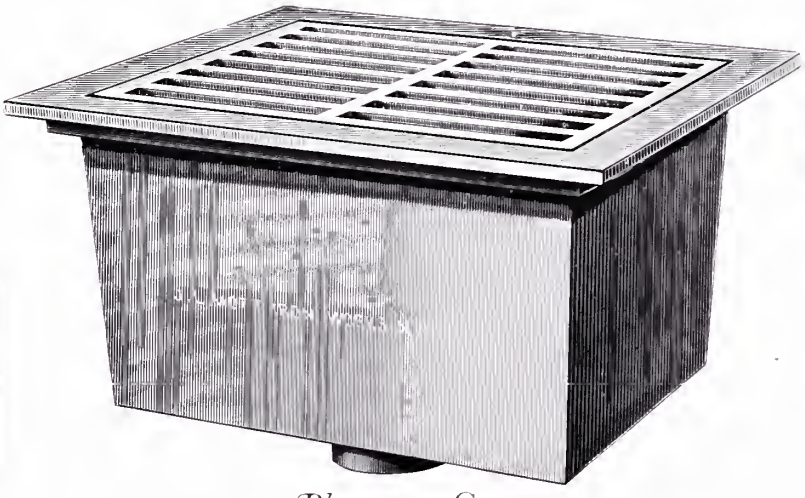


Plate 224-C

"Heavy Cesspool," with portable bell trap, 4 in. or 6 in. outlet
Length, 27 in.; width, 19½ in.; depth, 14 in.

Plate 225-C

Cesspool without Bell Trap
Top, 13½ in. diameter. Cover, 9 in. diameter.
Outlet, 3 in. Depth, 14 in. Cover locks

Cesspools

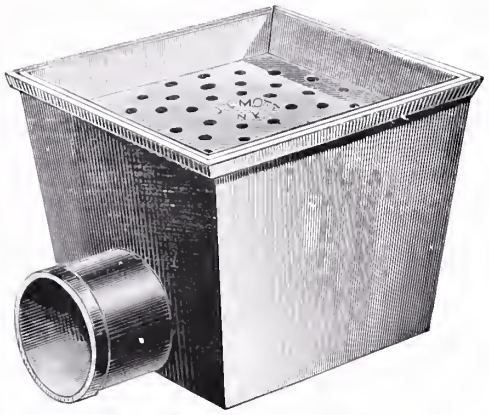


Plate 226-C

"Open Top Bell Trap Cesspool"
Dimensions: Top, 13 in. square; depth, 10 in.
Specially adapted for Drain Construction

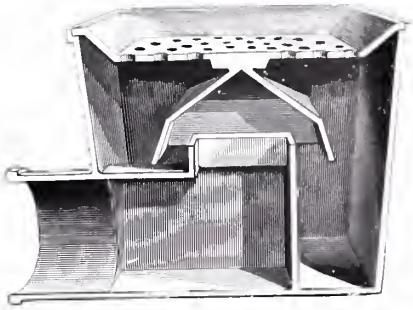


Plate 227-C

Showing section of Plate 226-C

Plate 228-C

"Square Bell Trap Cesspool"
Dimensions: Top, 13 in. square; outlet, 4 in.

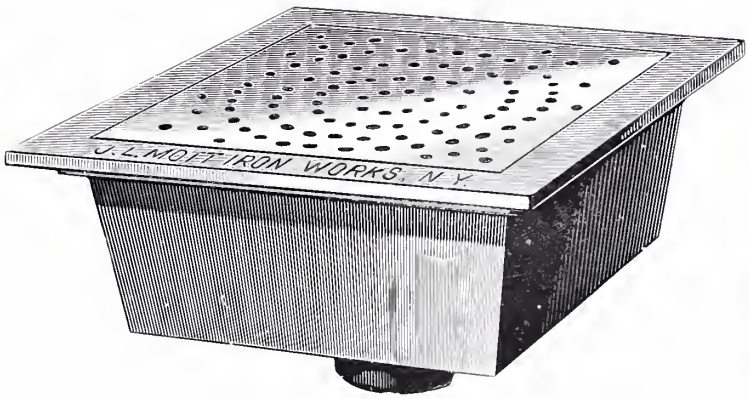


Plate 229-C

"Heavy Cesspool," with bell trap and 4 in. or 6 in. outlet
Same, 4 in. or 6 in. outlet, less grating, with legs on bell
Dimensions: Top, 24 in. square; depth, 10 in.
Suitable for Markets, Breweries, etc.

Plate 230-C

"Hydrant Cesspool," size 12 in. × 12 in. × 6 in. deep
Same, 14 in. × 14 in. × 6 in. deep
Same, 16 in. × 16 in. × 6 in. deep
Same, 18 in. × 18 in. × 6 in. deep

Plate 231-C

"Hydrant Cesspool" with bell trap; size, 12 in. × 12 in. × 6 in. deep.
Same, 14 in. × 14 in. × 6 in. deep
Same, 16 in. × 16 in. × 6 in. deep
Same, 18 in. × 18 in. × 6 in. deep

Plate 232-C

Plate 232-C

BRIDGE DRAIN

Frame, 1 ft. 5½ in. × 10 in.
Cover, 1 ft. 4¼ in. ×8¾ in.
Depth of drain including spigot,
1 ft. 7 in.
Length of spigot, 11 in.
Outlet, 4 in.

Traffic Standards

Plate 233-C

Plate 234-C

Plate 235-C

Wheel Guards

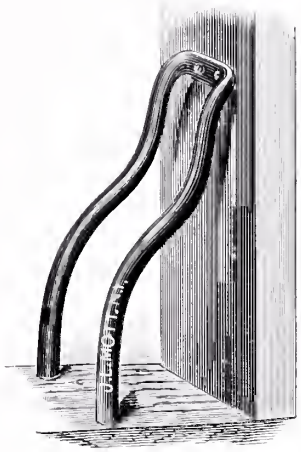


Plate 236-C

Wrought Iron
Height, 2 ft.
Made in $\frac{7}{8}$ and $1\frac{1}{8}$ iron

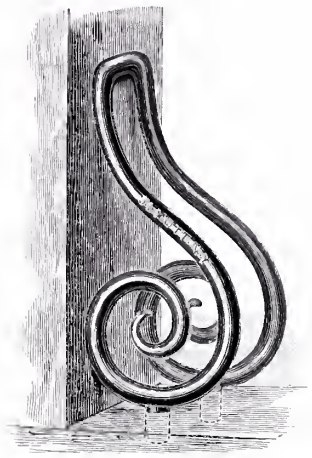


Plate 237-C

Wrought Iron
Height, 2 ft.

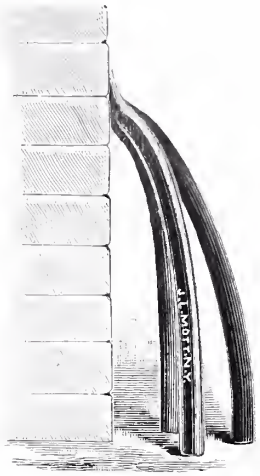


Plate 238-C

Wrought Iron
Height, 2 ft.

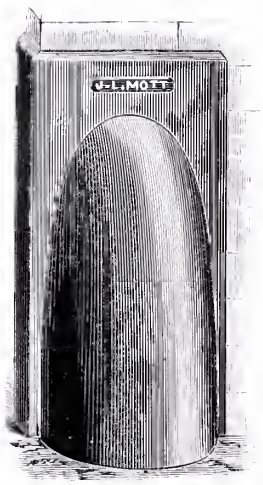


Plate 239-C

Cast Iron. (Very heavy)
Two sizes. Height, 2 ft.
No. 1—For 12-in. wall, projects $8\frac{3}{4}$ in.
No. 2—For 16-in. wall, projects $9\frac{1}{2}$ in.

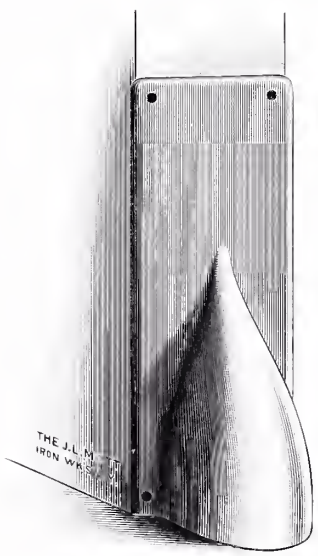


Plate 240-C

Cast Iron
Height, 2 ft.
Projects $4\frac{3}{4}$ in.
No. 1 for 7 in. wall
No. 2 for 8 in. wall
No. 3 for 9 in. wall

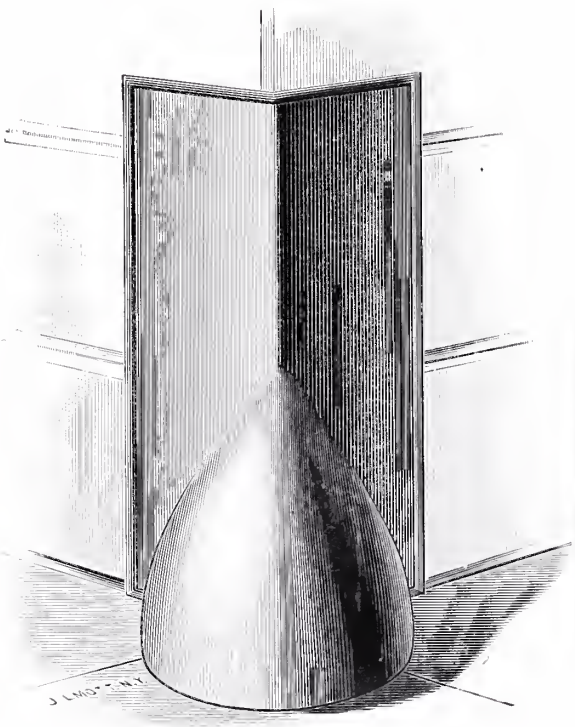


Plate 241-C

For Corner
Height, 2 ft. 10 in. × 11 in. wide; projects $4\frac{3}{4}$ in.
Height, 2 ft. 6 in. × 12 in. wide; projects 9 in.

Wheel Guards

(Cast Iron)

Plate 242-C

For Corner
No. 1—Height, 2 ft. × 7½ in. wide; projects 6½ in.
No. 2—Height, 2 ft. 2 in. × 8 in. wide; projects 7 in.

Plate 243-C

Height, 1 ft. 4 in.
Back, 6 in. wide.
Projects 7 in.

Plate 244-C

For Corner
Height, 2 ft. × 5 in. wide.
Projects 5½ in.

Plate 245-C

Height, 1 ft. 4 in.
Diameter at base, 1 ft. 4 in.

Plate 246-C

For Corner
Height, 2 ft. 2 in. × 8 in. wide inside. Projects 6¼ in.

Plate 247-C

Height, 1 ft. 4 in.
Diameter at base, 1 ft. 10 in.

Wheel Guards

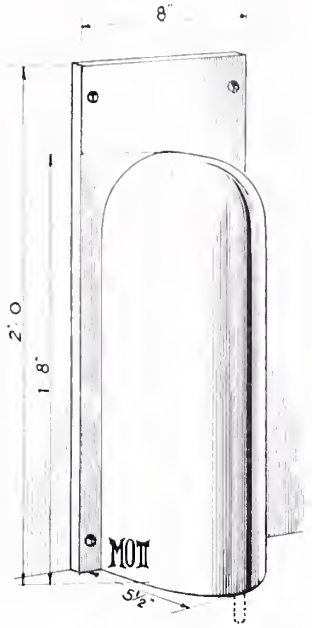


Plate 248-C

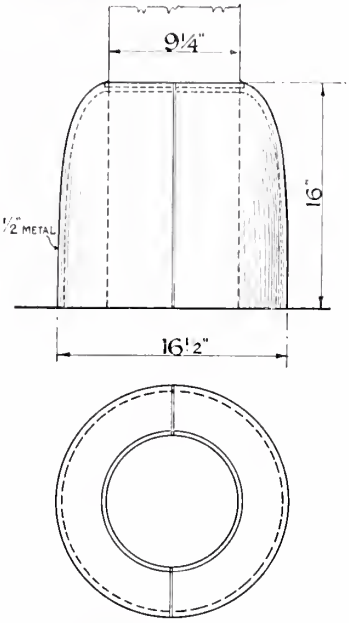
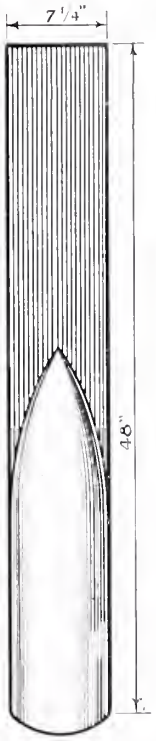


Plate 249-C

Plate 250-C



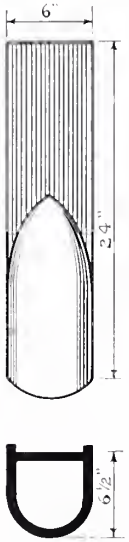


Plate 252-C

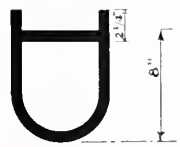


Plate 251-C

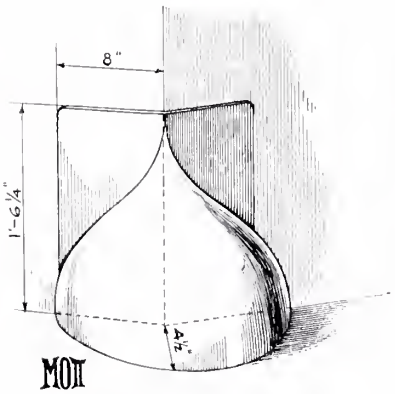


Plate 253-C

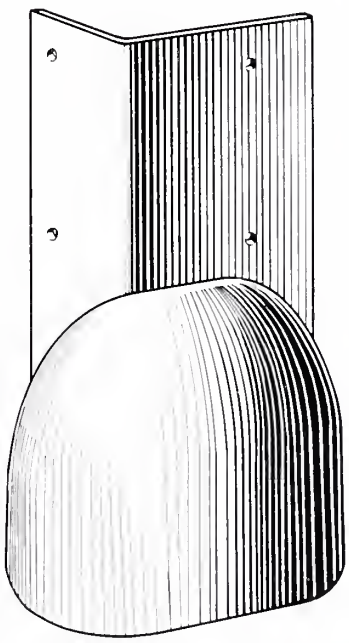


Plate 254-C

OVAL WHEEL GUARD

Height, 30 in.
Angle Wall Plate
$7\frac{3}{4} \times 16\frac{1}{2}$ inside
Projection, $8\frac{1}{2}$ in.

Cast Iron Leader Pipes and Connections

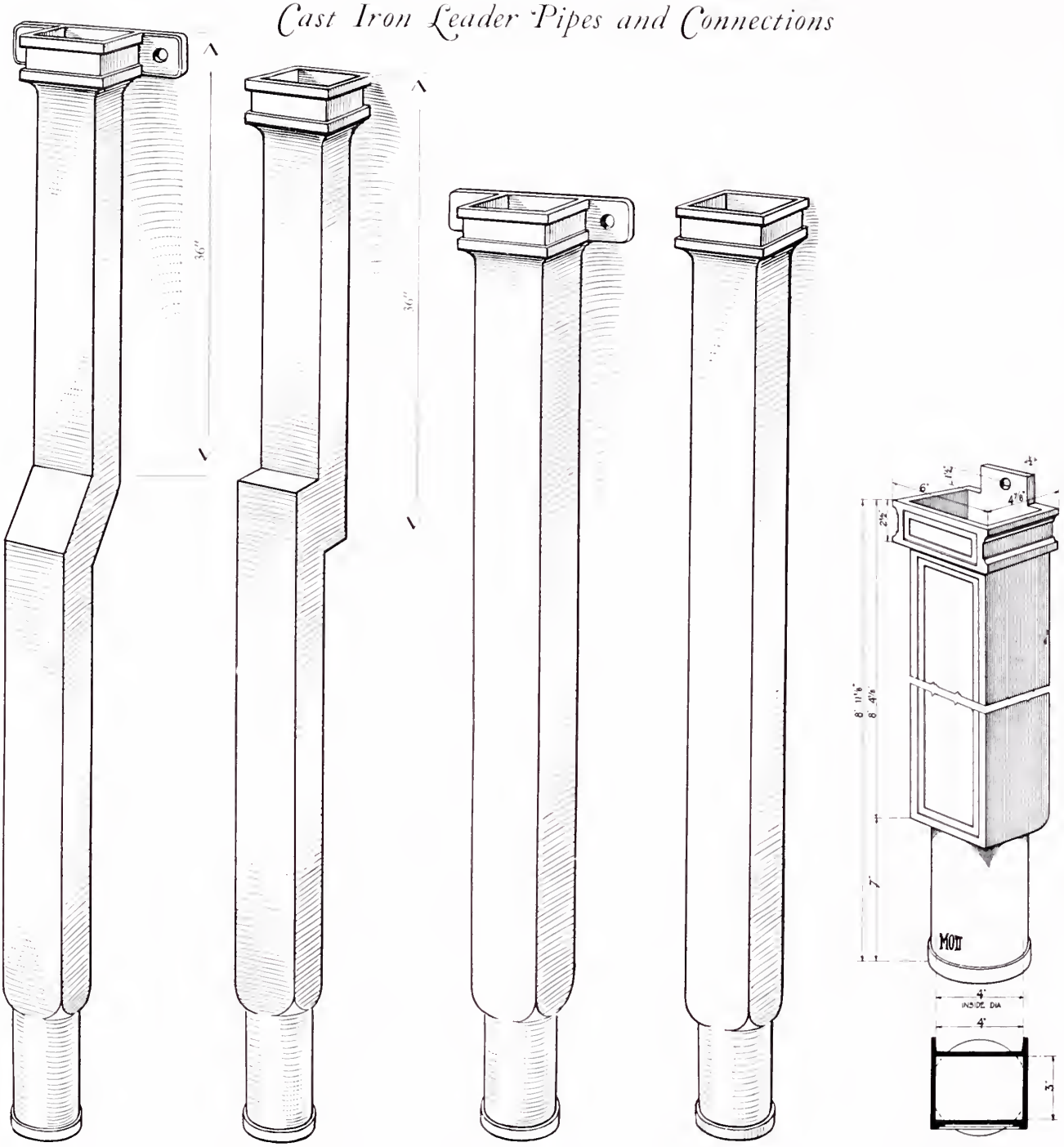


Plate 255-C *Plate* 256-C *Plate* 257-C *Plate* 258-C *Plate* 259-C

Plate 255-C—"Leader Pipe." Length, 7 ft. 2 in.; 4-in. spigot end; hub, 5½ in. × 5⅜ in. inside; offset, 4½ in. center to center.

Plate 256-C—"Leader Pipe." Length, 6 ft. 9 in.; 4-in. spigot end; hub, 5⅜ in. × 5⅜ in. inside; offset, 3½ in. center to center.

Plate 257-C—"Leader Pipe." Length, 6 ft.; 6-in. spigot end; hub, 7 in. × 7 in. inside.

Plate 258-C—"Leader Pipe." Length, 6 ft.; 4-inch spigot end; hub, 5⅜ in. × 5⅜ in. inside.
Same, length, 6 ft.; 5-in. spigot end; hub, 6½ in. × 6½ in. inside.

Plate 259-C—"Leader Pipe." Lengths, 8 ft. 11⅞ in.; 4-in. spigot end; hub, 3 in. × 4 in. inside.

Cast Iron Leader Pipes and Connections

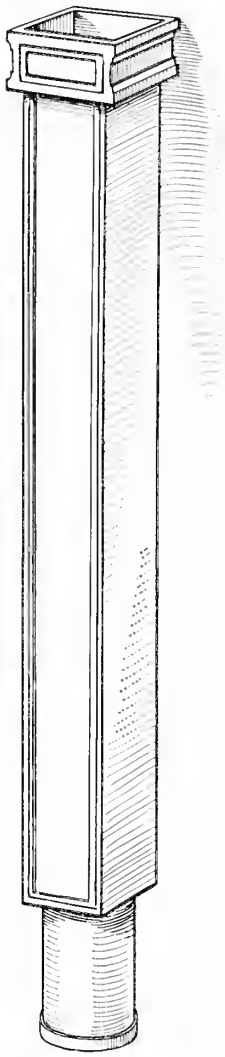


Plate 260-C

Plate 261-C

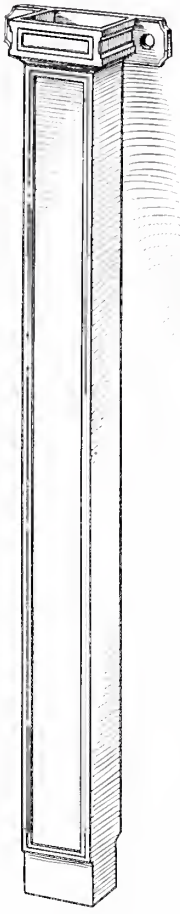


Plate 262-C

Plate 263-C

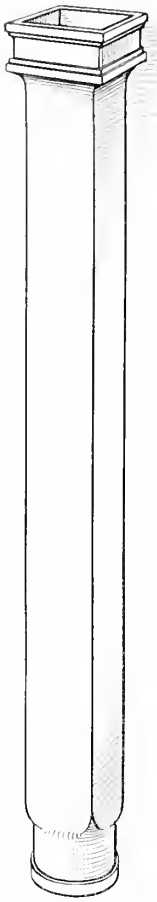


Plate 264-C

Plate 260-C—"Leader Pipe." Length, 5 ft. 10 in.; 5-in. spigot end; hub, 6½ in. × 5½ in. inside.

Plate 261-C—"Leader Pipe." Length, 5 ft. 3 in.; 4-inch spigot end; hub, 4 in. × 3⅝ in. inside.

Plate 262-C—"Leader Pipe." Length, 5 ft. 3 in.; spigot end, 3¾ in. × 2¾ in.; hub inside, 4¾ × 3¾ in.

Plate 263-C—"Leader Pipe." Length, 5 ft. 2½ in.; 4-in. spigot end; hub, 5 in. × 4 in. inside.

Plate 264-C—"Leader Pipe." Length, 5 ft. 3 in.; 4-in. spigot end; hub, 4¾ in. × 4½ in. inside.

Plate 265-C—"Leader Pipe." Length, 3 ft. 5 in.; 3¼ in. × 4¼ in. spigot end; hub, 2¾ in. × 3¾ in.; offset, 4¼ in.

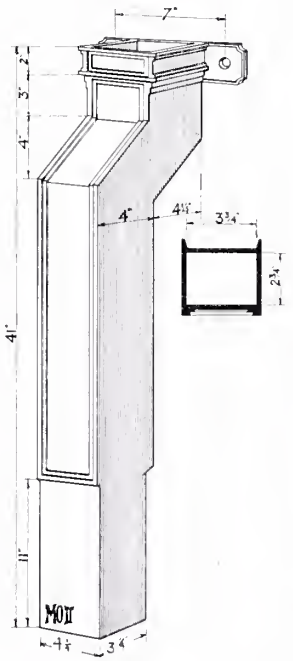


Plate 265-C

Cast Iron Leader Pipes and Connections

Plate 266-C

Plate 271-C

Plate 267-C

Plate 268-C

Plate 269-C

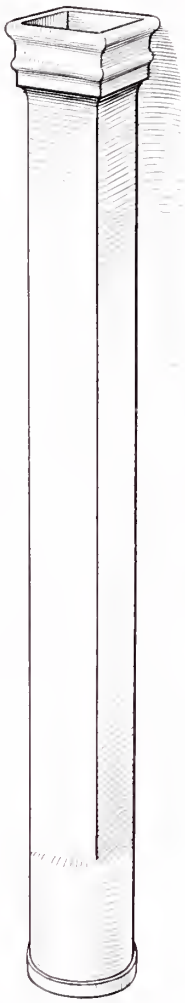


Plate 270-C

Plate 266-C—"Leader Pipe." Length, 3 ft. 6½ in.; 7-in. spigot end; hub, 7½ in. × 6 in. inside; offset, 3¾ in. center to center.

Plate 267-C—"Leader Pipe." Length, 5 ft. 1 in.; 5-in. spigot end; hub, 4¾ in. × 4 in. inside.

Plate 268-C—"Leader Pipe." Length, 4 ft.; 3-in. spigot end; hub, 3¼ in. × 3¼ in. inside.

Plate 269-C—"Leader Pipe." Length, 5 ft. 4½ in.; 4-in. spigot end; hub, 5 in. × 4 in. inside.
Same, with 5-in. spigot end; hub, 5 × 4 in. inside.

Plate 270-C—"Leader Pipe." Length, 5 ft.; 4-in. spigot end; hub, 4¾ in. × 4 in. inside.
Same, with 5-in. spigot end; hub, 4¾ in. × 4 in. inside.

Plate 271-C—"Leader Pipe." Length, 4 ft.; 5-in. spigot end; hub, 7 in. × 7 in. inside.

Cast Iron Leader Pipes and Connections

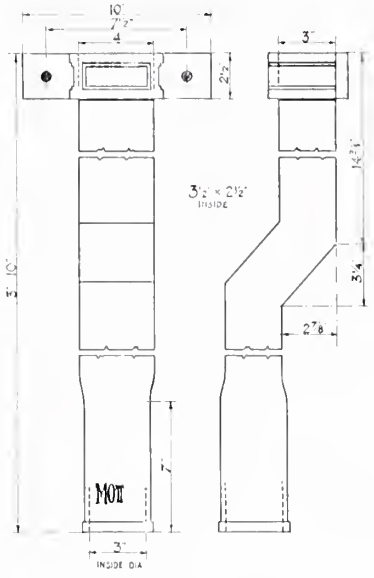


Plate 272-C

Length, 3 ft. 10 in.
Spigot, 3 in.
Hub, inside, 3 × 4 in.

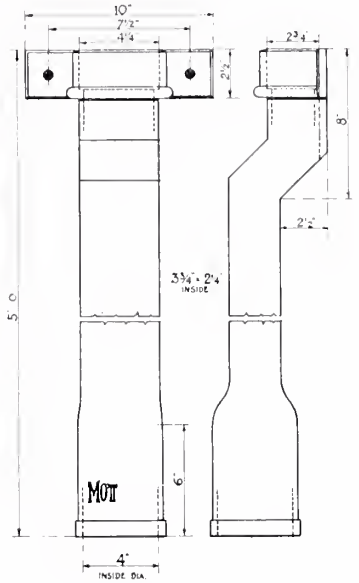


Plate 273-C

Length, 5 ft.
Spigot, 4 in.
Hub, inside, 2¾ in. × 4¼ in.

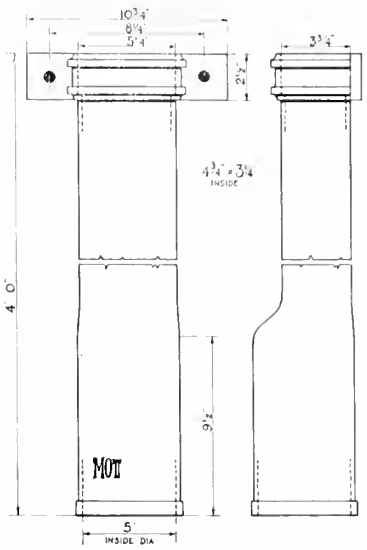


Plate 274-C

Length, 4 ft.
Spigot, 5 in.
Hub, inside, 3¾ in. × 5¼ in.

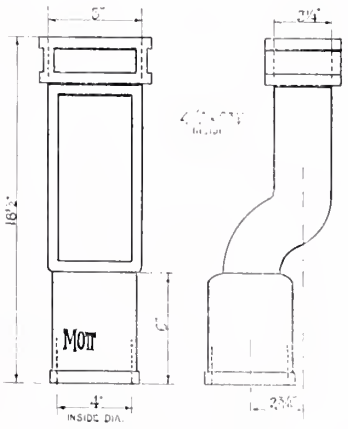


Plate 275-C

Length, 18½ in.
Spigot, 4 in.
Hub, inside, 3¼ in. × 5 in.

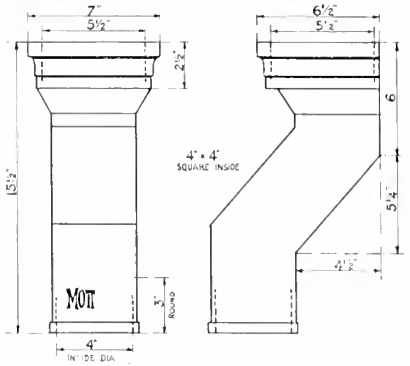


Plate 276-C

Length, 15½ in.
Spigot, 4 in.
Hub, inside, 5½ in. × 5½ in.

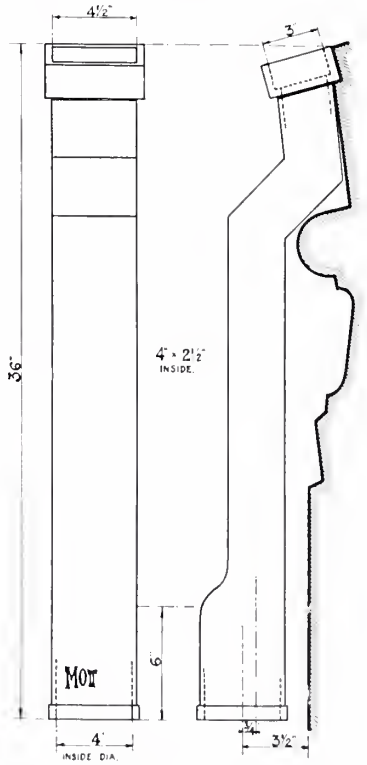


Plate 277-C

Length, 36 in.
Spigot, 4 in.
Hub, inside, 3 in. × 4½ in.

Cast Iron Leader Pipes and Connections

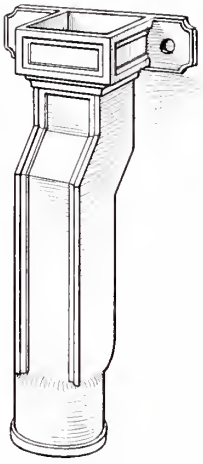


Plate 278-C

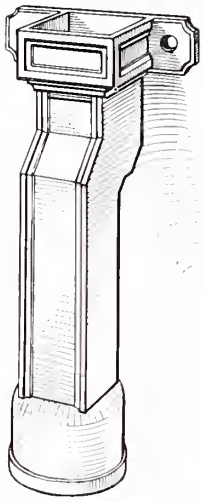


Plate 279-C

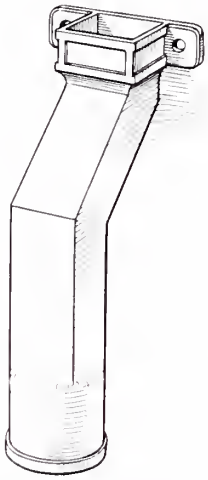


Plate 280-C

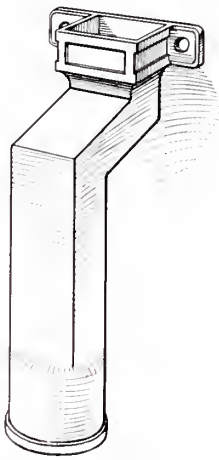


Plate 281-C

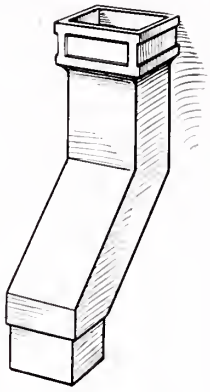


Plate 282-C

Plate 278-C—"Leader Connection." Length, 2 ft. 1 in.; 5-in. spigot end; hub, 4¾ in. × 3¾ in. inside; offset, 2⅜ in. center to center.

Plate 279-C—"Leader Connection." Length, 2 ft. 5 in.; 5-in. spigot end; hub, 4¾ in. × 3½ in. inside; offset, 1½ in. center to center.

Plate 280-C—"Leader Connection." Length, 2 ft. 2½ in.; 5-in. spigot end; hub, 4 in. × 3 in. inside; offset, 5¾ in. center to center.

Plate 281-C—"Leader Connection." Length, 2 ft. 1¾ in.; 5-in. spigot end; hub, 4 in. × 3 in. inside; offset, 5½ in. center to center.

Plate 282-C—"Leader Connection." Length, 1 ft. 5 in.; spigot end, 4 in. × 3 in. outside; hub, 5 in. × 4 in. inside; offset, 6 in. center to center.

Plate 283-C—"Leader Connection." Length, 1 ft. 8 in.; spigot end, 4¼ in. × 3¼ in. outside; hub, 4½ in. × 3½ in. inside; offset, 2 in. center to center.

Plate 284-C—"Leader Connection." Length, 1 ft. 6 in.; spigot end, 3¾ in. × 2¾ in. outside; hub, 4¾ in. × 3¾ in. inside; offset, 4½ in. center to center.

Plate 285-C—"Leader Connection." Length, 1 ft. 10 in.; spigot end, 5 in. × 4 in. outside; hub, 5½ in. × 4½ in. inside; offset, 3½ in. center to center.

Plate 286-C—"Leader Connection." Length, 1 ft. 3 in.; 4-in. spigot end; hub, 4 in. × 2¾ in. inside; offset, ¾ in. center to center.

Plate 287-C—"Leader Connection." Length, 2 ft. 8 in.; 6-in. spigot end; hub, 6 in. × 6 in. inside; offset, 2½ in. center to center.

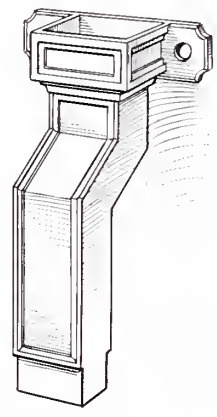


Plate 283-C

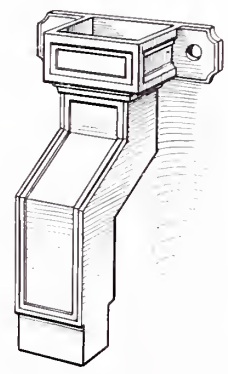


Plate 284-C

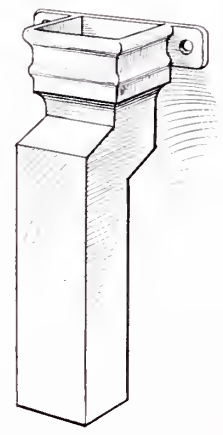


Plate 285-C

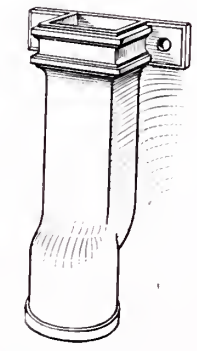


Plate 286-C

Plate 287-C

Cast Iron Leader Pipes and Connections

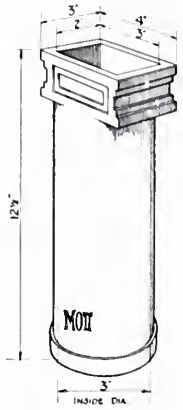


Plate 288-C

Length, 12½ in.
Spigot, 3 in. Hub, inside,
2 in. × 3 in.

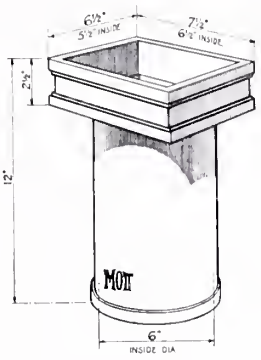


Plate 289-C

Length, 12 in.
Spigot, 6 in. Hub, inside,
5½ in. × 6½ in.

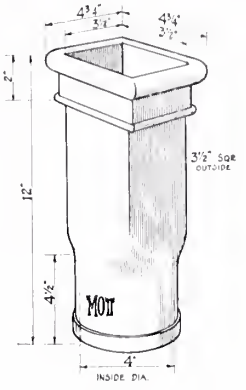


Plate 290-C

Length, 12 in.
Spigot, 4 in. Hub, inside,
3½ in. × 3½ in.

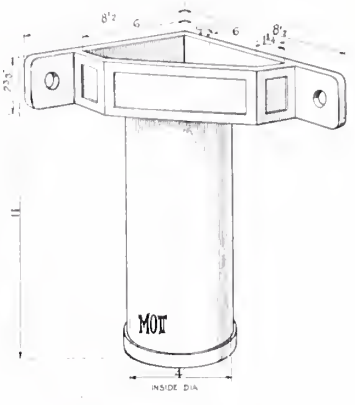


Plate 291-C

Length, 11 in.
Spigot, 4 in.

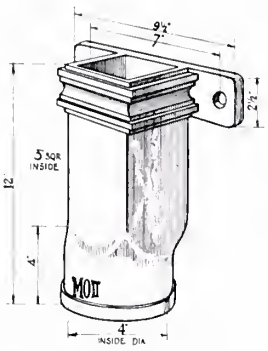


Plate 292-C

Length, 12 in.
Spigot, 4 in. Hub, inside,
3 × 3 in.

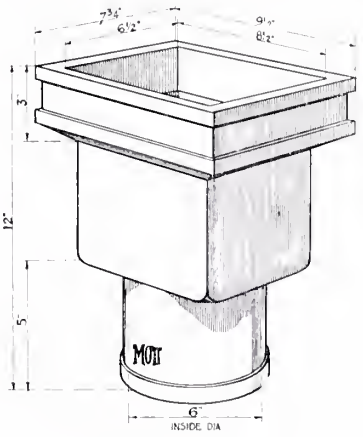


Plate 293-C

Length, 12 in.
Spigot, 6 in. Hub, inside,
6½ × 8½ in.

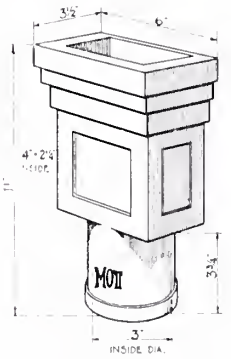


Plate 294-C

Length, 11 in.
Spigot, 3 in. Hub, inside,
4 × 2¼ in.

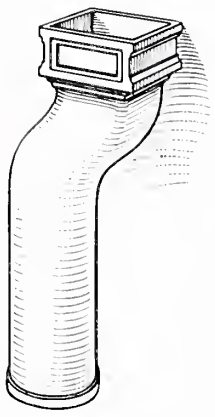


Plate 295-C

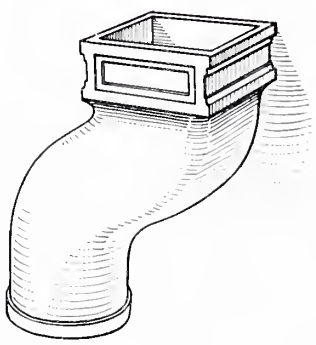


Plate 296-C

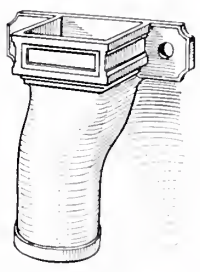


Plate 297-C

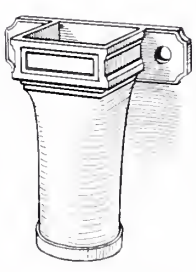


Plate 298-C

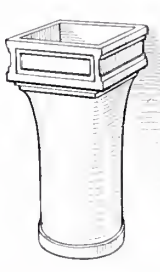


Plate 299-C

Plate 295-C—"Leader Connection." Length, 1 ft. 6 in.; 4 in. spigot end; hub, $4\frac{3}{4}$ in. x $3\frac{3}{4}$ in. inside; offset, 2 in. center to center.
Plate 296-C—"Leader Connection." Length, 1 ft. 1 in.; 5-in. spigot end; hub, 7 in. x $5\frac{1}{4}$ in. inside; offset, 5 in. center to center.
Plate 297-C—"Leader Connection." Length, 11 in.; 4-in. spigot end; hub, $4\frac{1}{2}$ in. x $3\frac{3}{4}$ in. inside; offset, $1\frac{1}{2}$ in. center to center.
Plate 298-C—"Leader Connection." Length, $11\frac{1}{4}$ in.; 4-in. spigot end; hub, $4\frac{1}{2}$ in. x $3\frac{3}{4}$ in. inside.
Plate 299-C—"Leader Connection." Length, $11\frac{1}{4}$ in.; 4-in. spigot end; hub, $4\frac{3}{4}$ in. x $3\frac{3}{4}$ in. inside.

Cast Iron Leader Pipes and Connections

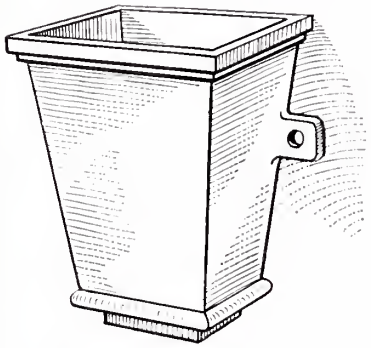


Plate 300-C

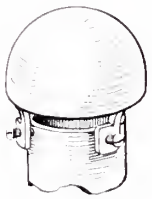


Plate 301-C

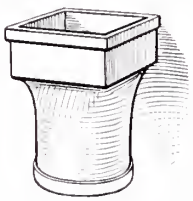


Plate 302-C

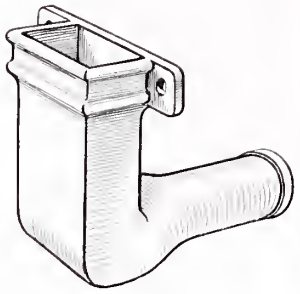


Plate 303-C

Plate 300-C—"Roof Hopper" for leader pipes. Height, 1 ft. 4½ in.; opening at top, 11½ in. × 8 in.; spigot end, 4 in. × 3 in. outside.

Plate 301-C—"Overflow Cap," Board of Education pattern; for 2-in. pipe; also made for 4-in. pipe.

Plate 302-C—"Leader Connection." Length, 9 in.; 5-in. spigot end; hub, 5¼ in. × 4¼ in. inside.

Plate 303-C—"Leader Connection." Total height, 1 ft. 2 in.; front to end of spigot, 1 ft. 2 in.; 4-in. spigot end; hub, 6½ in. × 4¾ in. inside.

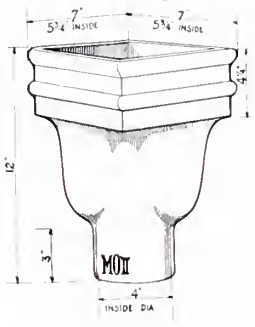


Plate 304-C

Length, 12 in.
Spigot, 4 in. Hub, inside, 5¾ in. × 5¾ in.

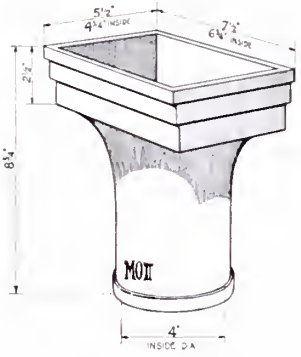


Plate 305-C

Length, 8¾ in.
Spigot, 4 in. Hub, inside, 4¾ in. × 6¾ in.

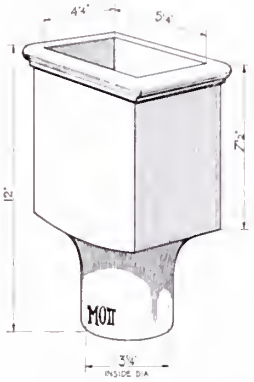


Plate 306-C

Length, 12 in.
Spigot, 3¼ in. Hub inside 4¼ in. × 5¼ in.

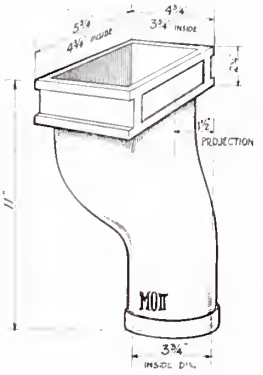


Plate 307-C

Length, 11 in.
Spigot, 3 in. Hub inside 4¾ in. × 3¾ in.

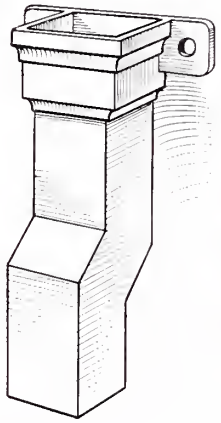


Plate 308-C

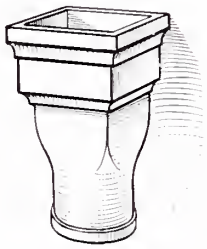


Plate 309-C

Plate 310-C

Plate 308-C—"Leader Connection." Length, 1 ft. 8 in.; spigot end, 4⅜ × 4⅜ in. outside; hub, 5¾ in. × 5 in. inside; offset, 2½ in. center to center.

Plate 309-C—"Leader Connection." Length, 12 in.; 4-in. spigot end; hub, 5¾ in. × 5 in. inside.

Plate 310-C—"Leader Connection." Length, 12½ in.; 3-in. spigot end; hub, 4 5/16 in. × 3¼ in. inside.

Cast Iron Leader Pipes and Connections

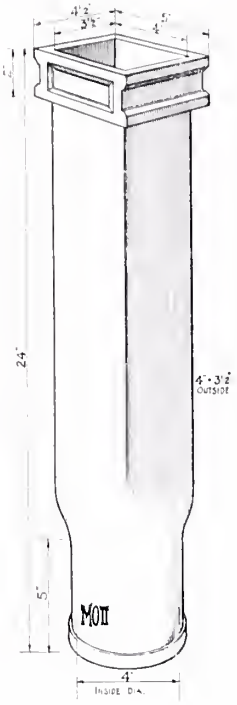


Plate 311-C

Length, 24 in.
Spigot, 4 in.
Hub, inside, 3½ in. × 4 in.

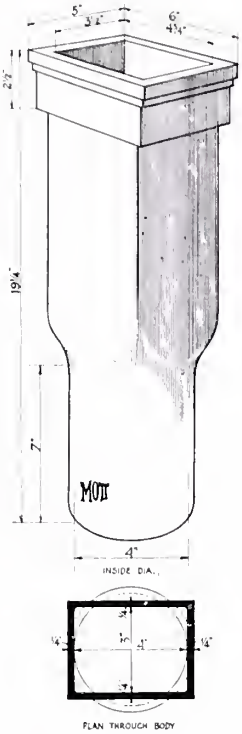


Plate 312-C

Length, 19¼ in.
Spigot, 4 in.
Hub, inside, 3½ in.×4¾ in.

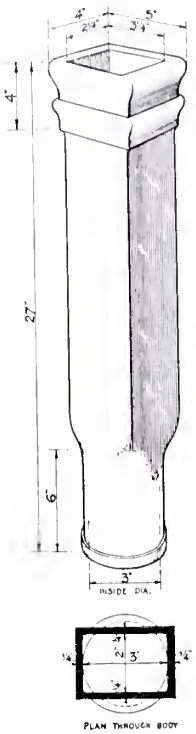


Plate 313-C

Length, 27 in.
Spigot, 3 in.
Hub, inside, 2¼ in.×3¼ in.

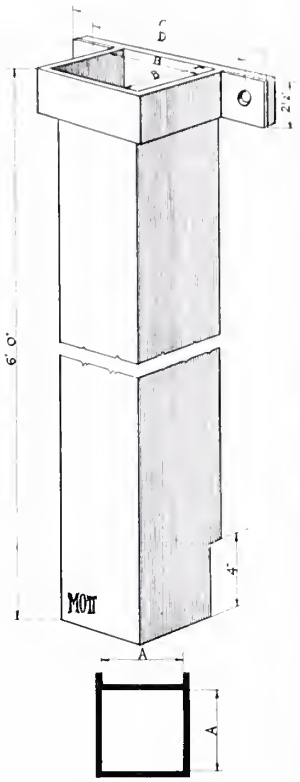


Plate 314-C

Length, 6 ft.
Spigot, 2, 2½, 3 or 4 in.
Hub, inside, 2½, 3, 3½ or 4½ in.

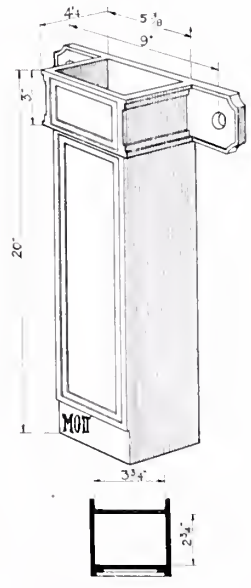


Plate 315-C

Length, 20 in.
Spigot, 2¾ in.×3¾ in.
Hub, inside, 3¾ in.×4¾ in.

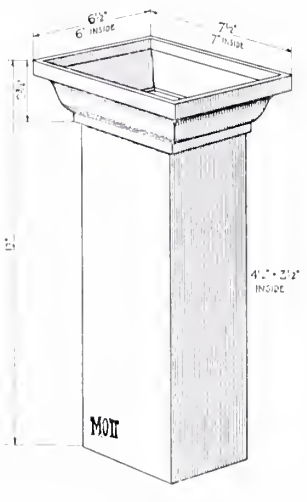


Plate 316-C

Length, 18 in.
Spigot, 4½ in.×3½ in.
Hub, inside, 6 in.×7 in.

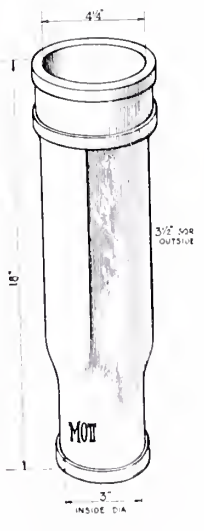


Plate 317-C

Length, 18 in.
Spigot, 3 in.
Hub, inside, 4¼ in.

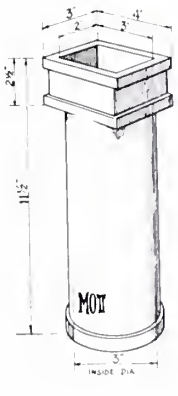


Plate 318-C

Length, 11½ in.
Spigot, 3 in.
Hub, inside, 2 in. × 3 in.

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